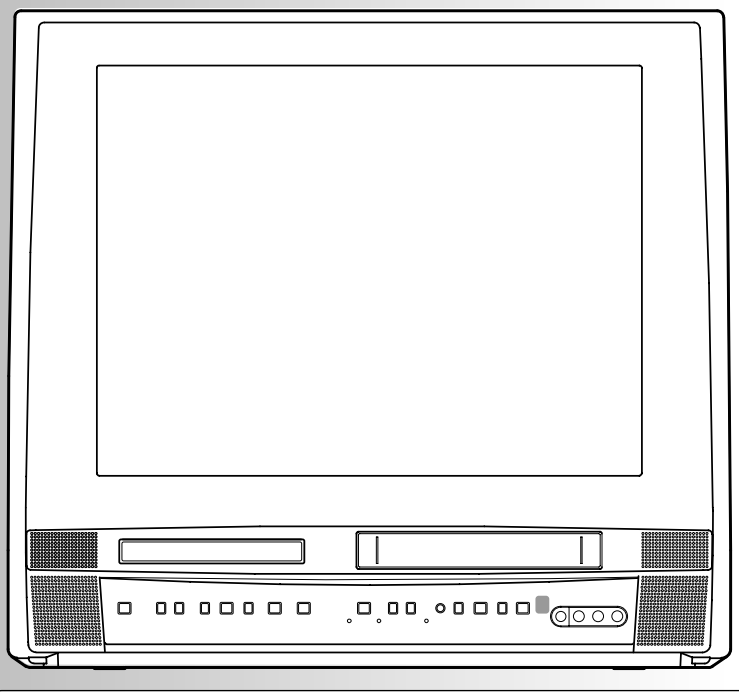
Symphonic

20 inch DVD TRIPLE COMBO

Owner's Manual

SC720FDF

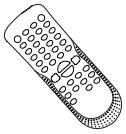


FEATURES

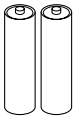
- Auto Channel Programming
- Timer Recording
 1 year 8 events programmable
 Daily/Weekly recording
- One Touch Recording
- Auto Clock Setting
- Screen Saver
- Auto Power On and Off
- Parental Lock
- Resume Play (DVD)
- Closed Caption Decoder
- Virtual Surround

SUPPLIED ACCESSORIES

This unit comes with the following accessories. Please confirm that all the accessories are included.



☐ Remote Control (NF101UD)



☐ AA batteries x 2



☐ Owner's Manual (1EMN21534)

INSTRUCCIONES EN ESPAÑOL INCLUDAS

PLEASE READ BEFORE USING THIS EQUIPMENT

IF YOU NEED ADDITIONAL ASSISTANCE FOR SET-UP OR OPERATING AFTER READING OWNER'S MANUAL,
PLEASE CALL **TOLL FREE 1-800-242-7158** OR VISIT OUR WEB SITE AT
http://www.Symphonic.us

PRECAUTIONS

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.

THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

The caution marking is located on the rear of the cabinet.

IMPORTANT SAFEGUARDS

1. **Read instructions -** All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions -** The safety and operating instructions should be retained for future reference.
3. **Heed Warnings -** All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions -** All operating and use instructions should be followed.
5. **Cleaning -** Unplug the unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
 EXCEPTION: A product that is meant for uninterrupted service and, that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose, may exclude the reference to unplugging the appliance in the cleaning description otherwise required in item 5.
6. **Attachments -** Do not use attachments not recommended by the unit manufacturer as they may cause hazards.
7. **Water and Moisture -** Do not use this unit near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
8. **Accessories -** Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury to someone, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the unit. Any mounting of the appliance should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

 PORTABLE CART WARNING

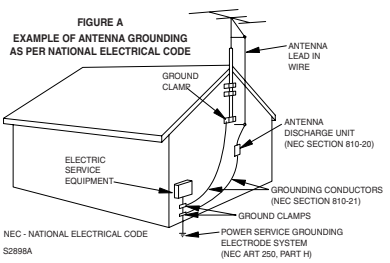
 S3126A

 Ameubles - Cet appareil ne doit être placé que sur un meuble (avec ou sans roulettes) recommandé par le fabricant. Si vous l'installez sur un meuble à roulettes, déplacez les deux ensembles avec précaution. Un arrêt brusque, l'utilisation d'une force excessive et des surfaces irrégulières risquent de déstabiliser l'ensemble et de le renverser.

 SYMBOLE D'AVERTISSEMENT POUR LES COMPOSANTES APPAREIL ET MEUBLE A ROULETTES

 S3126A
9. **Ventilation -** Slots and openings in the cabinet and the back or bottom are provided for ventilation and to ensure reliable operation of the unit and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the unit on a bed, sofa, rug, or other similar surface. This unit should never be placed near or over a radiator or heat register. This unit should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. **Power Sources -** This unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For the units intended to operate from battery power, or other sources, refer to the operating instructions.
11. **Grounding or Polarization -** This unit is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
12. **Power-Cord Protection -** Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13. **Outdoor Antenna grounding -** If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. (Fig. A)



14. **Lightning -** For added protection for this unit receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power-line surges.
15. **Power Lines -** An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
16. **Overloading -** Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
17. **Object and Liquid Entry -** Never push objects of any kind into this unit through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the unit.
18. **Servicing -** Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
19. **Damage Requiring Service -** Unplug this unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 a. When the power-supply cord or plug is damaged or frayed.
 b. If liquid has been spilled, or objects have fallen into the unit.
 c. If the unit has been exposed to rain or water.
 d. If the unit does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the unit to its normal operation.
 e. If the unit has been dropped or damaged in any way.
 f. When the unit exhibits a distinct change in performance, this indicates a need for service.
20. **Replacement Parts -** When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, injury to persons or other hazards.
21. **Safety Check -** Upon completion of any service or repairs to this unit, ask the service technician to perform routine safety checks to determine that the unit is in proper operating condition.
22. **Heat -** This unit product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

IMPORTANT COPYRIGHT INFORMATION

Unauthorized copying, broadcasting, public performance and lending of discs are prohibited.
This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

RADIO-TV INTERFERENCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1) Reorient or relocate the receiving antenna.
2) Increase the separation between the equipment and receiver.
3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4) Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

FCC WARNING- This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the owner's manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

LASER SAFETY

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM.

LOCATION: INSIDE, NEAR THE DECK MECHANISM.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOC ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Note to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

LOCATION

For safe operation and satisfactory performance of the unit, keep the following in mind when selecting a place for its installation:

- Shield it from direct sunlight and keep it away from sources of intense heat.
- Avoid dusty or humid places.
- Avoid places with insufficient ventilation for proper heat dissipation. Do not block the ventilation holes at the top and bottom of the unit. Do not place the unit on a carpet because this will block the ventilation holes.
- Install unit in a horizontal position.
- Avoid locations subject to strong vibration.
- Do not place the unit near strong magnetic fields.
- Avoid moving unit to locations where temperature differences are extreme.
- Be sure to remove disc and unplug the AC power cord from the outlet before carrying the unit.

TO AVOID THE HAZARDS OF ELECTRICAL SHOCK AND FIRE

- Do not handle the power cord with wet hands.
- Do not pull on the power cord when disconnecting it from an AC wall outlet. Grasp it by the plug.
- If, by accident, water is spilled on your unit, unplug the power cord immediately and take the unit to our Authorized Service Center for servicing.
- Do not put your fingers or objects into the unit disc loading tray.
- Do not place anything directly on top of the unit.

MOISTURE WARNING

- Moisture condensation may occur inside the unit when it is moved from a cold place to a warm place, or after heating a cold room or under conditions of high humidity. If you play a videotape or DVD in a moist unit, it may damage the tape or DVD and the unit. When the condensation occurs inside the unit, turn the unit on and leave it at least 2 hours to dry out.

NOTE ABOUT RECYCLING

Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.

Manufactured under license from Dolby Laboratories.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

The serial number of this product may be found on the back of the unit. No other unit has the same serial number as yours. You should record the number and other vital information here and retain this book as a permanent record of your purchase to aid identification in case of theft. Serial numbers are not kept on file.

Date of Purchase		Dealer Phone No.	
Dealer Purchase from		Model No.	
Dealer Address		Serial No.	

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WARRANTY BACK COVER

SYMBOLS USED IN THIS MANUAL

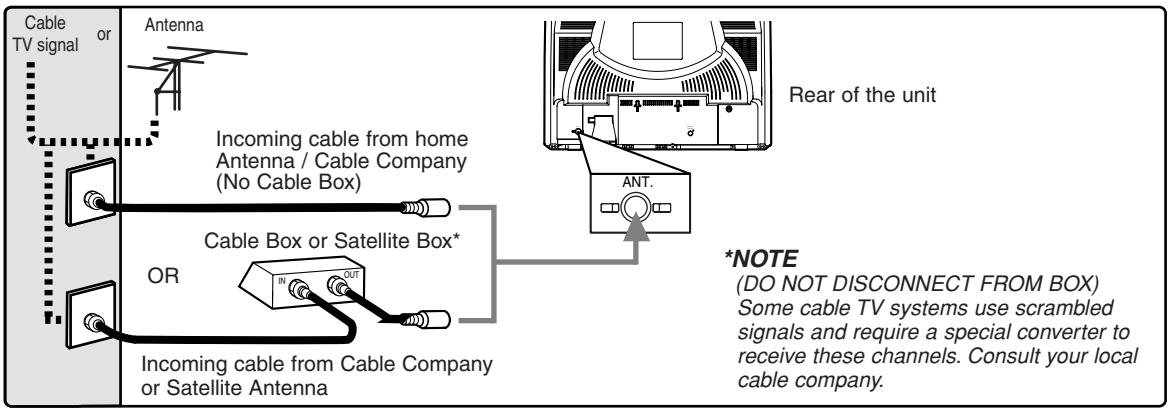
The following symbols below appear in some headings and notes in this manual, with the following meanings.

TV/VCR Description refers to TV/VCR operation (in the TV/VCR mode).	CD Description refers to playback of audio CDs (in the DVD mode).
DVD-V Description refers to playback of DVD video discs (in the DVD mode).	QUICK Description refers to the items to be set by the QUICK mode (in the DVD mode).

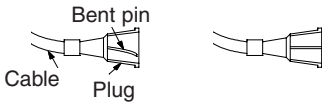
PREPARATION FOR USE

ANTENNA/CABLE CONNECTIONS

Plug the incoming cable into the ANT. jack on the rear of the unit.
If your cable service supplies you with a converter box or if you use a satellite system, connect the box with this unit as shown below.



NOTE:
Before plugging the antenna into the ANT. jack of the unit, check that the pin is not bent. If it is bent, straighten the pin as illustrated, then plug the pin into the ANT. jack of the unit.



(Needs to be straightened)

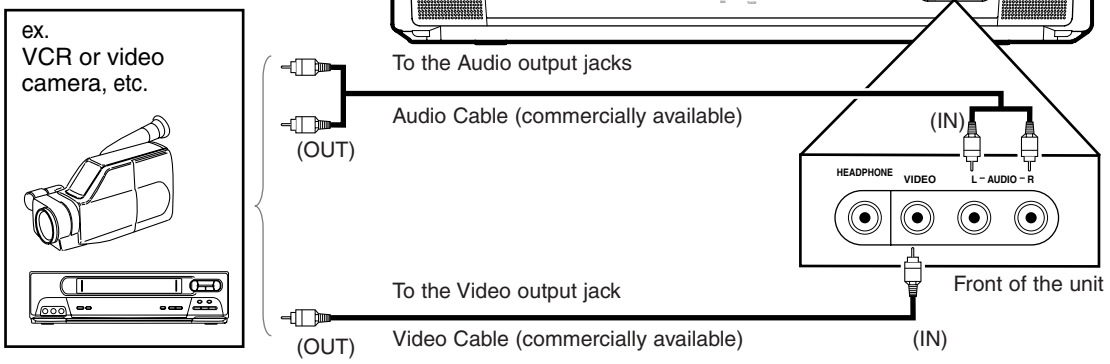
(Straight pin)

For your safety and to avoid damages to the unit, unplug the antenna cable from the ANT. jack before moving the unit.

CONNECTING TO AN EXTERNAL DEVICE (FRONT)

When you watch a program recorded on another source (VCR or video camera), use the AUDIO/VIDEO input jacks on the front of the unit.
Connect the Audio/Video output jacks of another source to the AUDIO L/R and VIDEO jacks of this unit.
Then use [SELECT] or [CH. ▲ / ▼] until "AUX" appears on the screen.

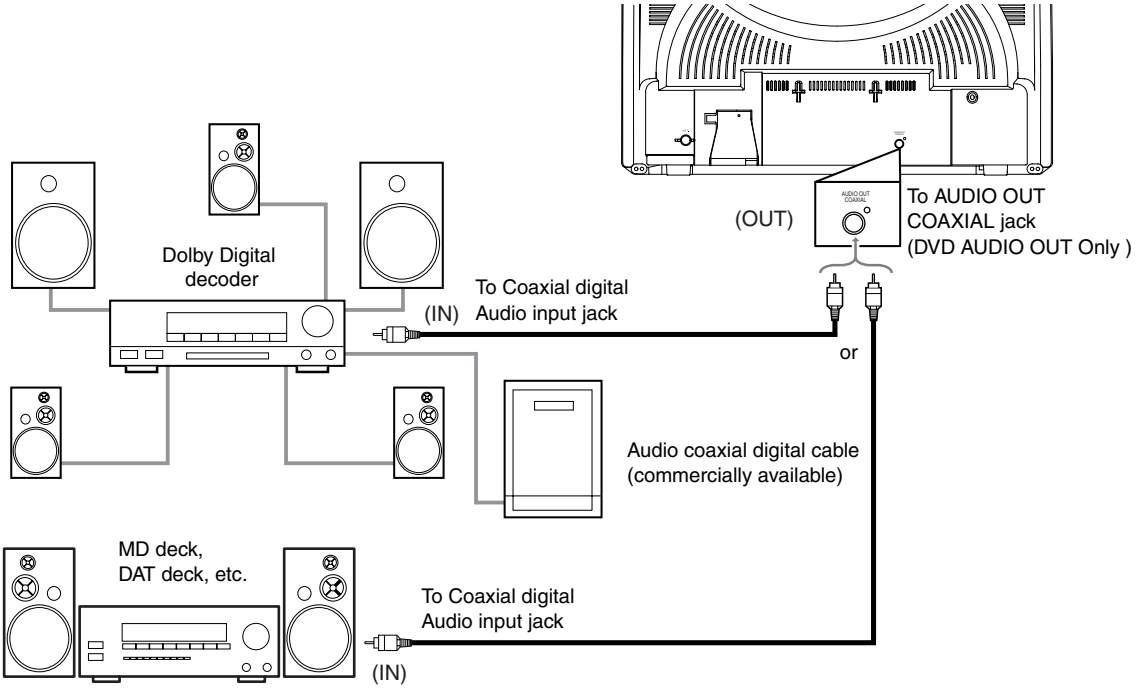
AUX



NOTE:
When you connect a monaural VCR (another source) to this unit, connect the Audio output jack of the monaural VCR (another source) to the AUDIO L jack of this unit. The audio will output in both L and R channel equally.

CONNECTING TO A DIGITAL AUDIO DEVICE (REAR)

You can connect this unit to a digital audio device to enjoy the digital audio of DVD. Connect to an amplifier equipped with digital input jacks, such as MD deck or DAT deck. To play a DVD disc in a Dolby Digital Multi-channel surround format in this unit, connect to a Dolby Digital decoder.
Use an audio coaxial digital cable (commercially available) for the audio connections.

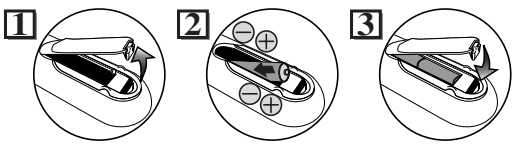


NOTES:

- *The audio source on a disc in a Dolby Digital Multi-channel surround format cannot be recorded as digital sound by an MD or DAT deck.*
- *Be sure to turn off the power to all devices in the system before connecting another device.*
- *Refer to the Owner's Manuals for the devices to be connected to the unit.*
- *To connect to a MD or DAT deck, set "DOLBY DIGITAL" to "PCM" for the audio output in the setup mode, and to connect to a Dolby Digital decoder, set to "BITSTREAM" (Refer to "AUDIO SETTING" on page 30). Playing a unit using incorrect settings may generate noise distortion and may also damage the speakers.*

INSTALLING THE BATTERIES IN REMOTE CONTROL

1) Open the battery compartment cover by pressing the cover on the remote unit in the direction of the arrow.
2) Insert 2 “AA” penlight batteries into the battery compartment in the direction indicated by the polarity (+/-) markings.
3) Replace the cover.

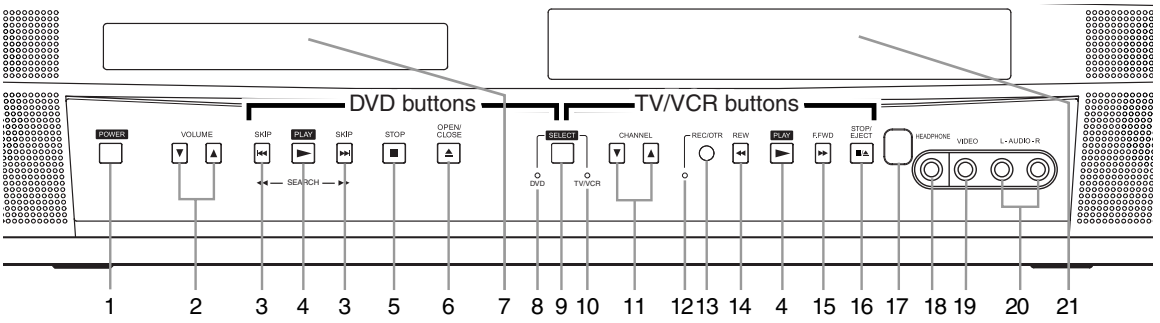


[BATTERY PRECAUTIONS]

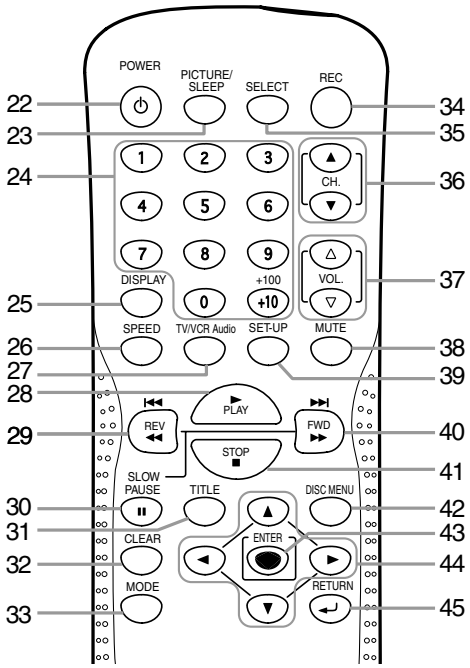
- Be sure to follow the correct polarity as indicated in the battery compartment. Reversed batteries may cause damage to the device.
- Do not mix different types of batteries together (e.g. Alkaline and Carbon-Zinc) or old batteries with fresh ones.
- If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
- Do not try to recharge batteries not intended to be recharged; they can overheat and rupture.

OPERATING CONTROLS AND FUNCTIONS

- FRONT PANEL -



- REMOTE CONTROL -



[FRONT PANEL]

1 **POWER Button** [TV/VCR P.9 / DVD P.23]
2 **VOLUME ▲ / ▼ Buttons** [P.9]
3 **SKIP |◀◀ / ▶▶| Buttons** [DVD P.26]
SEARCH ◀◀ / ▶▶ Buttons [DVD P.23]
4 **PLAY ▶ Button** [TV/VCR P.15 / DVD P.23]
5 **STOP ■ Button** [DVD P.23]
6 **OPEN/CLOSE ≙ Button** [DVD P.23]
7 **Disc loading tray**
8 **DVD Indicator**
9 **SELECT Button** [TV/VCR P.9]
10 **TV/VCR Indicator**
11 **CHANNEL ▲ / ▼ Buttons** [TV/VCR P.9]
12 **Recording Indicator**
13 **REC/OTR Button** [TV/VCR P.18]
14 **REW ◀◀ Button** [TV/VCR P.15]
15 **F.FWD ▶▶ Button** [TV/VCR P.15]
16 **STOP/EJECT ■/≙ Button** [TV/VCR P.15]
17 **Remote sensor window**
18 **HEADPHONE Jack**
19 **VIDEO input Jack** [P.6]
20 **AUDIO L/R input Jacks** [P.6]
21 **Cassette compartment**

[REMOTE CONTROL]

22 **POWER Button** [TV/VCR P.9 / DVD P.23]
23 **PICTURE/SLEEP Button** [TV/VCR P.9]
24 **Number Buttons** [TV/VCR P.9 / DVD P.26]
25 **DISPLAY Button** [TV/VCR P.14 / DVD P.28]
26 **SPEED Button** [TV/VCR P.18]
27 **TV/VCR Audio Button** [TV/VCR P14]
28 **PLAY ▶ Button** [TV/VCR P.15 / DVD P.23]
29 **REV ◀◀ Button** [TV/VCR P.15 / DVD P.23]
SKIP |◀◀ Button [DVD P.26]
30 **PAUSE ❙❙Button** [TV/VCR P.15 / DVD P.23]
31 **TITLE Button** [DVD P.23]
32 **CLEAR Button** [TV/VCR P.9 / DVD P.26]
33 **MODE Button** [DVD P.24]
34 **REC Button** [TV/VCR P18]
35 **SELECT Button** [TV/VCR P.9]
36 **CH. ▲ / ▼ Buttons** [TV/VCR P.9]
37 **VOL. △ / ▽ Buttons** [TV/VCR P.9]
38 **MUTE Button** [TV/VCR P.9]
39 **SET-UP Button** [TV/VCR P.10 / DVD P.29]
40 **FWD ▶▶ Button** [TV/VCR P.15 / DVD P.23]
SKIP ▶▶| Button [DVD P.26]
41 **STOP ■ Button** [TV/VCR P.15 / DVD P.23]
42 **DISC MENU Button** [DVD P.23]
43 **ENTER Button** [TV/VCR P.10 / DVD P.23]
44 **▲/▼/◀ / ▶ Buttons** [TV/VCR P.9 / DVD P.23]
45 **RETURN Button** [TV/VCR P.10 / DVD P.25]

NOTES:

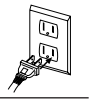
- *We do not recommend the use of universal remote controls as it may not control all the functions. Note that the code number given by universal remote controls may not program with this unit. For more details, contact the manufacturer of the universal remote control.*
- *Unless stated, all operations described are based on remote control use. Some operations can be carried out using the menu bar on the TV screen.*

TV OPERATION AND SETTINGS

WATCHING A TV PROGRAM

TV/VCR

1 After antenna or cable connection is completed, connect the power cord into a standard AC outlet.



2 Press **[POWER]** to turn on the unit.

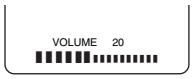
3 Use **[CH. ▲ / ▼]** or **the Number buttons** to select your desired channel number.

To use the number buttons

- *Single digit channels: (Ex. 02, 03, 04 and so on) Press* **[0]** *first to select a single digit channel.*
- *Two digit channels: (Ex. 12, 38, 95 ...) Press two digits directly.*
- *Three digit channels: (Ex. 115, 125 ...) Press* **[+100]** *first, then press the last two digits.*

4 Use **[VOL. △ / ▽]** to adjust the volume.

Press **[MUTE]** to instantly mute the sound. Press it again to restore the previous sound level.



NOTE:

- *Even if you turn off the unit in the DVD mode, the unit will be in the TV/VCR mode when you turn it on again.*

TO WATCH CABLE OR SATELLITE CHANNEL

If the unit is connected to a cable box or satellite box, use **[CH. ▲ / ▼]** to select CH3 or CH4 according to the output channel setting of the device and select desired channel on that device.

TO WATCH EXTERNAL INPUT

When an external equipment is connected to the front AUDIO/ VIDEO input jacks, press **[SELECT]** or **[CH. ▲ / ▼]** repeatedly until "AUX" appears on the screen.



NOTE:

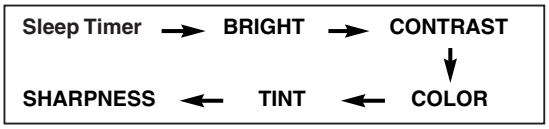
- *If there is no signal input from the antenna terminal and no operation for 15 minutes, the unit will turn itself off automatically.*

SLEEP TIMER / PICTURE CONTROL

TV/VCR

You can set Sleep Timer and picture adjustment with **[PICTURE / SLEEP]**.

- The menu changes as described below every time you press **[PICTURE / SLEEP]**.



SLEEP TIMER SETTING

The Sleep Timer function is used to turn off the unit without pressing **[POWER ⏻]** after a desired time.

1 Press **[PICTURE / SLEEP]** to display the Sleep Timer menu.



2 Within 5 seconds, set your desired sleep time using **[◄ / ►]**.

- **[►]**...Increase by 30 min. (Up to 120 min.)
- **[◄]**...Decrease by 30 min.

NOTE:

- *To cancel the Sleep Timer, use* **[CLEAR]** *or* **[◄ / ►]** *to set the time to "0".*

3 To confirm the remainder time to shutdown, press **[PICTURE / SLEEP]**.

PICTURE CONTROL

1 Press **[PICTURE / SLEEP]** repeatedly until desired control is displayed.



2 Use **[◄ / ►]** to adjust to your desired level within 5 seconds.

	◄	►
BRIGHT	to decrease brightness	to increase brightness
CONTRAST	to decrease contrast	to increase contrast
COLOR	to pale	to brilliant
TINT	to purple	to green
SHARPNESS	to soft	to clear

- Even if any power failure occurs, the unit will retain its memory for this feature.

CLOCK SET UP

Set the unit clock correctly for VCR timer recording. We suggest that you should set the clock manually when you first set up the unit, then set the auto clock setting to "ON" to correct the time periodically.

NOTE:

• If you cannot receive a station with time signals, auto clock setting is not available. Use manual setting only.

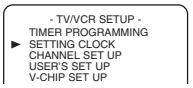
MANUAL CLOCK SETTING

In the example below, the clock is to be set to:

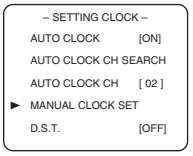
DATE: May 5th, 2006

SETTING TIME: 5:40PM

1 Press **[SET-UP]**.
Use **[▲ / ▼]** to point to "SETTING CLOCK", then press **[ENTER]**.



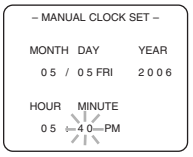
2 Use **[▲ / ▼]** to point to "MANUAL CLOCK SET", then press **[ENTER]**.



• If there is no local PBS station in your area or on your cable system, select "AUTO CLOCK" and press **[ENTER]** to turn "OFF" the function before this step.

3 Use **[▲ / ▼]** to set your desired month, day, year, hour and minute.

Use **[◄ / ►]** to move to another item.



4 Press **[SET-UP]**.

Although seconds are not displayed, they begin counting from 00 when you press **[SET-UP]**. Use this feature to synchronize the clock with the correct time.



NOTE:

• When unplugging the AC cord or if there is a power failure for more than 3 seconds, you may have to reset the clock.

TO CHANGE CLOCK SETTING

1 Follow steps ***1*** to ***2*** above.

2 Select the item you want to change using **[►]**.

3 Enter correct numbers using **[▲ / ▼]**.

4 Press **[SET-UP]** to start the clock.

AUTOMATIC CLOCK SETTING

NOTES:

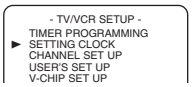
• If a cable converter box is being used, make sure it is turned on.

• You must use the remote control for the clock setting.

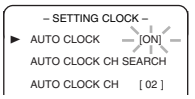
• If the unit is connected directly to a cable converter box or satellite box, the local PBS station must be selected on the cable box itself and the unit must be set to the output channel of the cable converter box or satellite box (usually channel 3 or 4), to enable to set up or correct the clock automatically.

1 Press **[SET-UP]**.

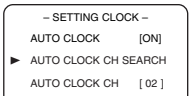
Using **[▲ / ▼]** select "SETTING CLOCK", then press **[ENTER]**.



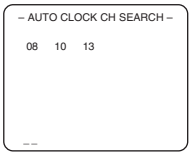
2 Press **[ENTER]** to select "ON".



3 Press **[▼]** to select "AUTO CLOCK CH SEARCH". Then press **[ENTER]**.



• The unit begins searching for the station which contains the auto clock set signal. The search for a signal may take up to 20 seconds per channel.



• When the search has finished, "_ _" appears at the lower left of the screen.

NOTES:

• During AUTO CLOCK CH SEARCH, the picture may be distorted.

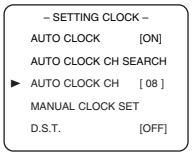
• If no number appears on the TV screen, there are no stations in your area which contain the Auto Clock signal. Auto Clock Setting is not possible. Please use Manual Clock Setting on this page.

4 Write down the numbers that appear on the screen. They are the auto clock stations in your area.

5 Press **[RETURN]** to go back to "SETTING CLOCK" menu.

Press **[▼]** to select "AUTO CLOCK CH".

Use **[◄ / ►]** until you locate an auto clock station number.



6 Press **[SET-UP]** to exit the menu.

NOTE:

• Once the unit is turned off, it will periodically check and set the correct date and time.

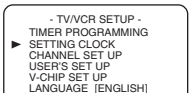
DAYLIGHT-SAVING TIME

TV/VCR

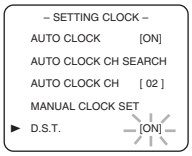
Select this feature and the unit clock will automatically advance one hour in April, then reverse one hour in October.

- **First Sunday of April :** At 2 AM, the clock immediately changes to 3 AM. Any timer programming you have set to occur between 2 AM and 3 AM will be canceled.
- **Last Sunday of October :** At 2 AM, the clock immediately changes to 1 AM.

1 Press **[SET-UP]**.
Use **[▲ / ▼]** to point to "SETTING CLOCK", then press **[ENTER]**.



2 Use **[▲ / ▼]** to point to "D.S.T.".



3 Press **[ENTER]** to select "ON".

NOTE:
• To cancel the setting, select "OFF".

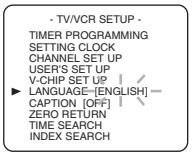
4 Press **[SET-UP]** to exit the menu.

ON-SCREEN MENU LANGUAGE

TV/VCR

You can select the language of on-screen menu among English, Spanish and French.

1 Press **[SET-UP]**.
Use **[▲ / ▼]** to point to "LANGUAGE".



2 Press **[ENTER]** repeatedly to select "ENGLISH", "ESPAÑOL" or "FRANÇAIS".

3 Press **[SET-UP]** to exit the menu.

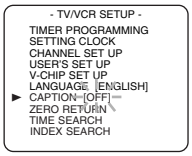
NOTES:
- *This function effects only the language on the screen menu and not the audio source.*
- *If for some reason the menu is already in Spanish or French, press* **[SET-UP]**, *using* **[▲ / ▼]** *point to "IDIOMA [ESPAÑOL]" or "LANGAGE [FRANÇAIS]", then press* **[ENTER]** *repeatedly to select desired language, then press* **[SET-UP]**.

CLOSED CAPTION SYSTEM

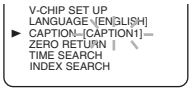
TV/VCR

You can view specially labeled (cc) TV programs, movies, news and pre-recorded tapes with either a dialogue caption or text display.

1 Press **[SET-UP]**.
Use **[▲ / ▼]** to point to "CAPTION".



2 Press **[ENTER]** repeatedly to select your desired caption mode.



- **CAPTION mode:** You can watch dramas, movies and news while captioning the dialogues and the contents of news.
- **TEXT mode:** You can watch half screen text information if you want.

*"CAPTION2" is usually used for a second language (if available).

3 Press **[SET-UP]** to exit the menu.

NOTES:
- *Even if any power failure, the unit will retain its memory for this feature.*
- *Some programs are not broadcasted with closed captions. The unit is designed to provide error-free closed captions with high quality antenna, cable and VCR signals. Conversely, poor quality signals are likely to result in caption errors or no captions at all.*
- *Common signal conditions which may cause caption errors are listed below:*
 - *Electric motor brush noise*
 - *Weak snowy reception on TV screen*
 - *Multiplex signal reception displaying picture ghosts or airplane flutte*
- *If the unit displays a black box on the TV screen, this means that the unit is set to the TEXT mode. To clear screen, select "CAPTION1", "CAPTION2" or "OFF".*



TO CANCEL THE CLOSED CAPTION SYSTEM

1 Press **[SET-UP]**. Use **[▲ / ▼]** to point to "CAPTION".

2 Press **[ENTER]** repeatedly to select "OFF".

3 Press **[SET-UP]** to exit the menu.

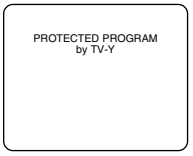
V-CHIP SET UP

TV/VCR

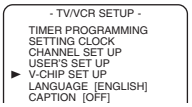
This feature enables parents to prevent their children from watching inappropriate material on TV. When you try to access a blocked program, “PROTECTED PROGRAM by ...” message appears on the TV screen.

NOTE:

• To change the rating, the TV must be turned to an unprotected program. If the screen on the right is displayed, change the channel to a station that is not protected.

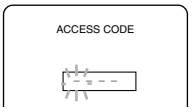


1 Press **[SET-UP]**.
Use **[▲ / ▼]** to select "V-CHIP SET UP", then press **[ENTER]**.

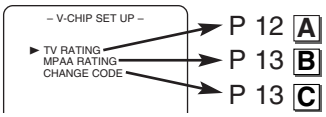


2 Use **the Number buttons** to enter the access code.

• For the first time set-up or in the event the unit has lost power, enter the default code of 0000.

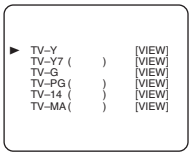


3 Use **[▲ / ▼]** to select "TV RATING", "MPAA RATING" or "CHANGE CODE", then press **[ENTER]**.
Refer to the pages below to set up each item.



A TV RATING SET UP

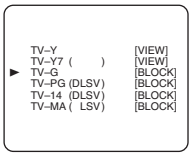
4 Use **[▲ / ▼]** to select a rating that you wish to block.
Press **[ENTER]** repeatedly to set it to "BLOCK" or "VIEW".



Selection	Rating Category Explanations
TV-Y	Appropriate for all children
TV-Y7	Appropriate for children seven and older
TV-G	General Audience
TV-PG	Parental Guidance suggested
TV-14	Unsuitable for children under 14
TV-MA	Mature audience only

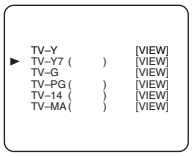
NOTES:

• When you select a rating and set it to "BLOCK", the higher ratings will be blocked automatically. The lower ratings will be available for viewing.

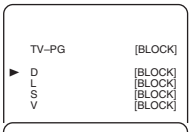


• When you set the lowest rating to "VIEW", all other ratings will be automatically available for viewing.

5 The TV-Y7, TV-PG, TV-14 and TV-MA ratings have the option of sub rating categories.
Use **[▲ / ▼]** to select a rating with sub-ratings, then press **[ENTER]** twice.

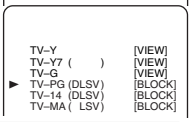


6 Use **[▲ / ▼]** to select a sub-rating, then press **[ENTER]** to set it to "BLOCK" or "VIEW".



NOTE:

• The blocked sub-ratings will appear next to the rating category in the "TV RATING" menu.

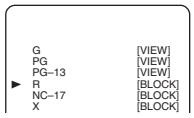


Selection	Rating Category Explanations
TV-Y7	
FV	Fantasy Violence
TV-PG, TV-14, TV-MA	
D	Suggestive Dialog (TV-PG, TV-14 only)
L	Coarse Language
S	Sexual Situation
V	Violence

7 Press **[SET-UP]** to exit the menu.

B MPAA RATING SET UP

4 Use **[▲ / ▼]** to point to your desired item, then press **[ENTER]** to select "BLOCK" or "VIEW".

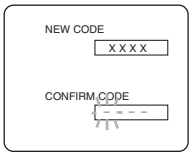


Selection	Rating Category Explanations
G	General Audience
PG	Parental Guidance suggested.
PG-13	Unsuitable for children under 13
R	Restricted; under 17 requires accompanying parent or adult guardian
NC-17	No one under 17 admitted
X	Mature audience only

5 Press **[SET-UP]** to exit the menu.

C CHANGE ACCESS CODE

4 Use **the Number buttons** to enter your desired access code in the "NEW CODE", then enter the same code in the "CONFIRM CODE". When completed, the menu will return to "V-CHIP SET UP".



5 Press **[SET-UP]** to exit the menu.

NOTE:

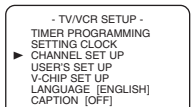
• Your personal access code will be erased and will return to the default (0000) when a power failure occurs or when you turn off the power using a wall switch. If you forget the code, unplug the power cord for 10 seconds to restore the access code to 0000.

CHANNEL SET UP

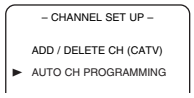
Channel presetting is necessary at the start or in case you moved the TV to a different area. TV/VCR

AUTO CHANNEL PROGRAMMING

1 Press **[SET-UP]**.
Use **[▲ / ▼]** to point to "CHANNEL SET UP", then press **[ENTER]**.



2 Use **[▲/ ▼]** to point to "AUTO CH PROGRAMMING", then press **[ENTER]**.
The tuner scans and memorizes all the active channels in your area.



3 When the scanning is completed, the lowest memorized channel is displayed.



<EXAMPLE>

If "NO TV SIGNALS" appears on the TV screen, check the antenna connection and try again.



NOTES:

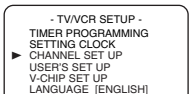
• The unit may recognize CATV channels to be TV channels if reception condition is poor. In this case, check the antenna connection and try "AUTO CH PROGRAMMING" again.

• Auto channel programming is NOT necessary when connected to a cable box or satellite box. Just select the channel for cable box or satellite input (ex. CH3 or CH4) on the unit, then select your desired channel on the cable box or satellite box.

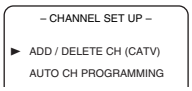
ADDING/DELETING CHANNELS

You can add channels that was not memorized due to the bad reception status and also delete channels you no longer receive or seldom watch.

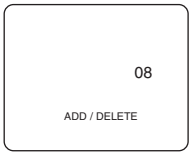
1 Press **[SET-UP]**.
Use **[▲ / ▼]** to point to "CHANNEL SET UP", then press **[ENTER]**.



2 Use **[▲ / ▼]** to point to "ADD/DELETE CH", then press **[ENTER]**.



3 Use **the Number buttons** or **[CH. ▲ / ▼]** to select your desired channel number. (You can also use **[▲ / ▼]** to enter it.)



(Example: CH8)

• Refer to page 9 on how to use the Number buttons.

4 Press **[ENTER]** repeatedly. The channel number changes to **red (deleted)** or **blue (added)** every time you press the button.

• To delete another channel, repeat steps ***3*** to ***4***.

5 Press **[SET-UP]** to exit the menu.

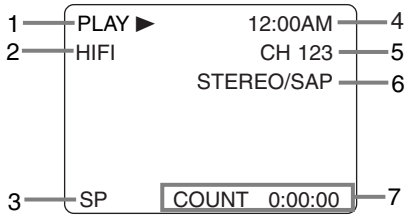
NOTE:

• To confirm that channel(s) has been deleted or added, select it (them) using **[CH. ▲ / ▼]**.

ON-SCREEN DISPLAY

STATUS DISPLAY

On screen display examples are shown below.



1. VCR status
Displays the current VCR motion:
PLAY / STOP / REC / OTR / PAUSE / FF / REW

2. VCR sound mode status (during playback)
Displays "HIFI" when the tape is recorded in Hi-Fi stereo mode.

3. Tape speed (during recording)
Displays the tape speed: SP / SLP

4. Clock

5. Channel number (in TV mode)
Displays the current channel number.
"AUX" is displayed in external input mode.

6. MTS status (in TV mode)
Displays the current sound status of the broadcast: STEREO / SAP

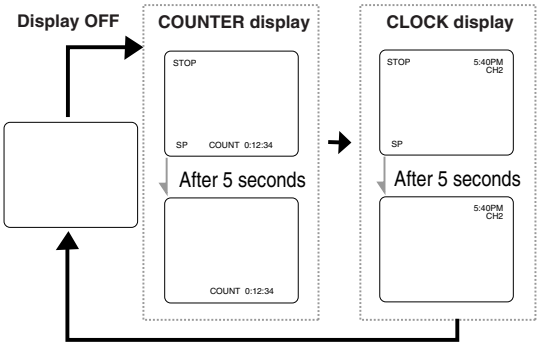
7. Tape counter (during playback or recording)
Shows the elapsed recording or playback time. (Not available for a blank tape or blank portions on the tape.) You can reset the counter by pressing **[CLEAR]**.

CHECKING THE STATUS

While receiving a broadcast or playing a VHS tape, you can check the status displayed on the screen by pressing **[DISPLAY]**. You can also check the status of the preset MTS (Multi-Channel Television sound). The display will change as shown below each time you press **[DISPLAY]**.

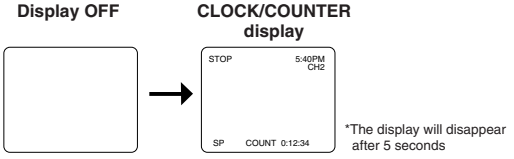
WHEN THE CLOSED CAPTION IS OFF

The display switches among VCR counter and clock.



WHEN THE CLOSED CAPTION IS ON

The display switches among VCR counter and clock.



*The display will disappear after 5 seconds

MTS (Multi-channel Television Sound) SYSTEM

MTS allows for reception of sound other than the main audio program. You can listen or record monaural audio sound, stereo sound or Secondary Audio Program (SAP).

WHEN RECEIVING AN MTS BROADCAST

Press **[TV/VCR Audio]** repeatedly to select a sound mode when you watch or record a TV program.

- The mode changes according to the broadcast among "STEREO", "SAP" and "MONO" every time you press the button.

STEREO

NOTES:

- *The initial setting is "STEREO". The unit records automatically MTS broadcasts in Hi-Fi stereo sound unless you select "SAP" beforehand.*
- *If you select "SAP" when second audio is not available, the unit will record in normal audio.*
- *This setting returns to the initial value when you turn off the unit or unplug the power cord.*

WHEN PLAYING CASSETTES

Press **[TV/VCR Audio]** repeatedly to select "HIFI" or "MONO".

- This setting is saved until the cassette is ejected.

NOTE:

- *The initial setting is "HIFI". When you play non-HIFI tapes, the unit will play only in the monaural mode even if the setting is "HIFI".*

WHEN IN THE EXTERNAL INPUT ("AUX") MODE

Any output mode setting does not affect the audio output and the current audio output mode does not appear on the TV screen.

VIDEO CASSETTE

This unit will operate with any cassette that has the VHS mark. For best results, we recommend the use of high-quality tapes. Do not use poor quality or damaged tapes.

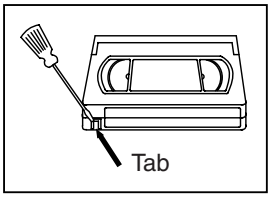
SELECTING TAPE SPEEDS

Before recording, select the tape speed from : **SP mode** (Standard Play) or **SLP mode** (Super Long Play). You can also play a tape recorded in **LP mode** (Long Play).

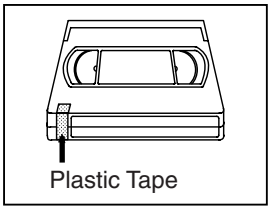
Tape Speed / Type of tape	Recording/Playback time T60	T120	T160
SP mode	1 hour	2 hours	2-2/3 hours
SLP mode	3 hours	6 hours	8 hours

ERASE PREVENTION

Break off the tab on the back edge of the cassette to prevent accidental erasing of recording.



Cover the hole with plastic tape to record on the tape again.



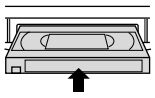
NOTES:

- *In the TV/VCR mode, if the cassette without tab is inserted, playback will start automatically.*
- *If you press* **[REC/OTR]** *or* **[REC]** *when a cassette without tab is inserted, the unit will eject it automatically.*

PLAYBACK

BASIC PLAYBACK

1 Insert a pre-recorded tape so that the unit turns on automatically (Auto Power On).

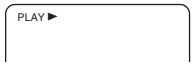


2 Select TV/VCR mode by pressing **[SELECT]**.

NOTE:

- *If the erase-prevention tab has been removed, the unit will change the VCR mode and starts playback automatically.*

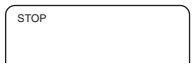
3 To start playback, press **[PLAY ▶]**.



NOTE:

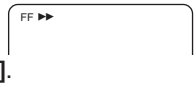
- *Even in the DVD mode, you can start the VCR playback if you press* **[PLAY ▶]** *on the front panel (of the TV/VCR side).*

4 To stop the playback, press **[STOP ■]**.

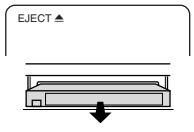


5 To rewind the tape, press **[REV◀◀]**.
To forward the tape, press **[FWD▶▶]**.
To stop winding, press **[STOP ■]**.





6 To eject the tape from the unit, press **[STOP/EJECT ■/⏏]** on the front panel.



TRACKING ADJUSTMENT

- Tracking adjustment will be set automatically when you start playback (Digital tracking function).
- If noise lines (black and white streaks) appear on the playback picture, use **[CH. ▲ / ▼]** until the streaks disappear (Manual tracking adjustment). This is available in Pause/Still/Slow mode, too.
- To release manual tracking mode, stop the tape once and start playback again.

STILL PICTURE

- During playback, press **[PAUSE ❚❚]** to freeze the picture.
 You can advance the picture frame by frame by pressing **[PAUSE ❚❚]** repeatedly.
- To release the Still mode, press **[PLAY ▶]**.

SLOW MOTION

- During playback, press **[PAUSE ❚❚]** then press **[FWD▶▶]**.
- To release the Slow mode, press **[PLAY ▶]**.

NOTE:

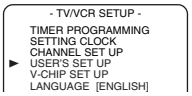
- *If the unit keeps the slow mode or still mode for more than 5 minutes, it will automatically enter the stop mode.*

SPECIAL PLAYBACK

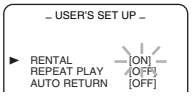
RENTAL PLAYBACK

This function enables you to improve the picture quality when playing back worn cassettes such as rented tapes. TV/VCR

1 Press **[SET-UP]**.
Use **[▲ / ▼]** to point to "USER'S SET UP", then press **[ENTER]**.



2 Use **[▲ / ▼]** to point to "RENTAL".
Press **[ENTER]** to select "ON".



NOTE:
• To cancel the setting, select "OFF" at this step.

3 Press **[SET-UP]** to exit the menu.

4 Press **[PLAY ►]** to start playback.

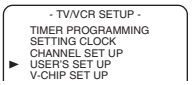


NOTE:
• This setting will not change even if you turn off the unit.

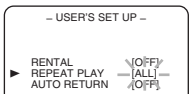
AUTO REPEAT PLAYBACK

This function allows you to repeat a tape indefinitely. TV/VCR

1 Press **[SET-UP]**.
Use **[▲ / ▼]** to point to "USER'S SET UP", then press **[ENTER]**.



2 Use **[▲ / ▼]** to point to "REPEAT PLAY".
Press **[ENTER]** repeatedly until your desired selection "ALL" or "BLANK" appears.



- **ALL:** Repeat playback from the beginning to the end of the tape.
- **BLANK:** Repeat playback from the beginning to a part, which is blank for more than 10 seconds.
- **OFF:** Cancel repeat playback.

3 Press **[SET-UP]** to exit the menu.

4 Press **[PLAY ►]** to start the Repeat Play.



NOTES:
• If the rental mode is set to "ON", "RENTAL PLAY ►" display has priority.
• This setting will not change even if you turn off the unit.

SEARCH FUNCTION

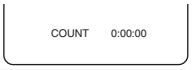
ZERO RETURN

This function allows you to search easily a beginning point that you want to review by rewinding or fast forwarding. TV/VCR

NOTE:
*• Zero Return **WILL NOT** work on a blank tape or a blank portion of a tape.*

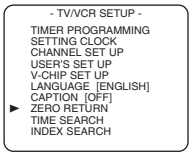
1 Rewind or forward the tape to the beginning point at which you want to review.

2 Press **[CLEAR]** repeatedly to set the counter to "0:00:00".



3 Press **[PLAY ►]** for playback or **[REC]** for recording.
Press **[STOP ■]** when playback or recording is completed.

4 Press **[SET-UP]**.
Use **[▲ / ▼]** to point to "ZERO RETURN", then press **[ENTER]**.



The unit will begin rewinding and the counter will appear on the TV screen.

The tape will automatically stop when the counter returns to 0:00:00 (approx.).

PICTURE SEARCH

This function is useful in finding or skipping over a particular scene on a tape. In this mode, the sound will be muted. TV/VCR

1 During playback, press **[REV ◀◀]** or **[FWD ▶▶]** to view at a high speed (in forward/reverse).

2 Press **[REV ◀◀]** or **[FWD ▶▶]** again to view at super high speed (in LP/SLP modes only).

NOTE:

• Tapes recorded in the SP or LP mode will normally display a noise bar on the TV screen and the picture may revert to black and white.

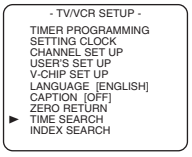
3 Press **[PLAY ▶]** to return to normal playback.

TIME SEARCH

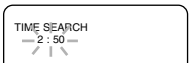
This function allows you to quickly advance the tape to your desired position simply by entering the exact amount of playback time you want to skip. TV/VCR

In the example below: To watch a program before/after 2 hour 50 minutes from the present position, in either direction.

1 Press **[SET-UP]**.
Use **[▲ / ▼]** to point to "TIME SEARCH", then press **[ENTER]**.



2 Use **[▲ / ▼]** until your desired time appears.
To cancel the Time Search at this point, press **[SET-UP]**.



NOTE:

• Time Search can be set up to a maximum of 9 hours 50 minutes (9:50) by 10 minutes at a time.

3 Use **[◀ / ▶]** to rewind or fast forward to the specified point.

The time counts down during the search. When the counter reaches "0:00:00", the tape will start playback automatically.

TO CANCEL DURING TIME SEARCH

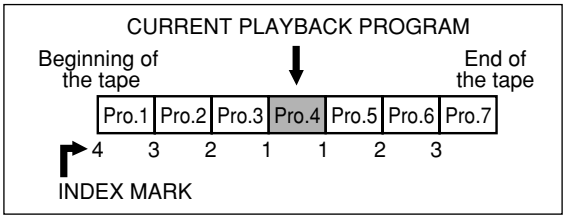
Press **[STOP/EJECT ■/⏏]** on the unit or **[STOP ■]**.

INDEX SEARCH

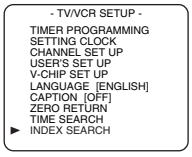
This function allows you to index the starting point to make it easy to reach the point in either fast forward or rewind mode. TV/VCR

- Every time you start recording, an index is marked automatically. The index mark also works as the starting point of Timer recording and OTR.
- The index mark will not be recorded if **[PAUSE ❚❚]** is used during recording.
- The time gap between making the index marks on the tape should be greater than 1 minute for SP recording, 2 minutes for LP recording and 3 minutes for SLP recording.
- In some cases, the index mark at the beginning of video tape cannot be detected.

Example: You are watching program number 4 and want to fast forward to program number 7. Skip three programs.



1 Press **[SET-UP]**.
Use **[▲ / ▼]** to point to "INDEX SEARCH", then press **[ENTER]**.



2 Use **[▲ / ▼]** until the number of programs that you want to skip appears.



3 Use **[◀ / ▶]**. The unit begins rewinding or fast forwarding to the beginning of desired program.

4 When the search is completed, the unit will start playback automatically.

- The numbers of Index Search can be set up to 20.
- This function is not available during recording.

TO CANCEL DURING INDEX SEARCH

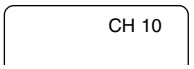
Press **[STOP/EJECT ■/⏏]** on the unit or **[STOP ■]**.

RECORDING

NOTES:
- *Insert a cassette tape with its erase-prevention tab in place.*
- *This unit cannot record the contents from the built-in DVD.*
- *You can ONLY watch the same TV program that is being recorded.*

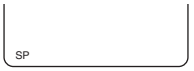
NORMAL RECORDING

1 Use **[CH. ▲ / ▼]** or **the Number buttons** to select the channel to be recorded. TV/VCR

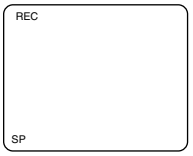


NOTE:
- *If the unit is connected to a cable box or satellite box, the unit must be on CH3 or CH4. Select the channel to be recorded on the cable box or satellite box.*

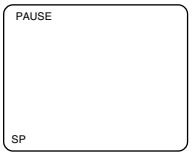
2 Press **[SPEED]** to select the desired tape speed (SP/ SLP).
(Refer to "SELECTING TAPE SPEEDS" on page 15.)



3 Press **[REC]** to start recording.



4 Press **[PAUSE ❚❚]** to temporarily stop recording unwanted scenes.
Press **[PAUSE ❚❚]** again or **[REC]** to resume recording.



NOTE:
- *If the recording is paused for more than 5 minutes, the unit will automatically switch to the recording mode to prevent tape damage.*

5 Press **[STOP ■]** to stop recording.

OTR (One Touch Recording)

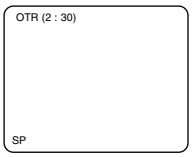
This function enables you to start recording for specified length simply by pressing **[REC/OTR]** on the unit. TV/VCR

1 Use **[CH. ▲ / ▼]** or **the Number buttons** to select the channel to be recorded.

NOTE:
- *If the unit is connected to a cable box or satellite box, the unit must be on CH3 or CH4. Select the channel to be recorded on the cable box or satellite box.*

2 Press **[SPEED]** to select the desired tape speed (SP/SLP).
(Refer to "SELECTING TAPE SPEEDS" on page 15.)

3 Press **[REC/OTR]** on the unit repeatedly until your desired length appears on the screen. The recording time will increase by 30 minutes up to 8 hours.



Recording starts immediately when you press **[REC/OTR]**.

NOTE:
- *If you press* **[REC/OTR]** *when "8:00" is displayed, the unit returns to the normal recording mode.*

Time(s)	Display	Recording length
1 time	(normal recording)	
2 times	0:30	30 minutes
3 times	1:00	60 minutes
↓	↓	↓
17 times	8:00	480 minutes

NOTES:
- *Even if you press* **[POWER]** *during OTR, the unit continues recording.*
- *You* ***cannot*** *start OTR with the remote control.*
- *In the SLP mode, maximum recording time, assuming the tape starts at the beginning, is 8 hours using T-160 (or 6 hours using T-120).*
- *If the tape runs out before the end time, the unit will switch to the stop mode immediately, eject the tape and turn itself off.*
- *To show the remaining time of OTR, press* **[DISPLAY]** *on the remote control to display "OTR" on the TV screen. (It will show up momentarily then disappear.)*

TO CANCEL OTR IN PROGRESS

Press **[STOP/EJECT ■/⏏]** on the unit or **[STOP ■]**.

AUTOMATIC TIMER RECORDING

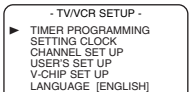
You can set 8 programs to record on specific days, daily or weekly within 1 year period.

TV/VCR

In the example below, the timer is being set to record:

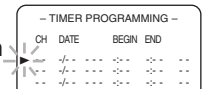
DATE:	July 3rd, 2006
SETTING TIME:	from 7:30PM to 8:50PM
CHANNEL:	CH61
TAPE SPEED:	SP

1 Press **[SET-UP]**.
Use **[▲ / ▼]** to select "TIMER PROGRAMMING", then press **[ENTER]**.

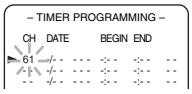


NOTE:
• If you have not yet set the clock, "MANUAL CLOCK SET" menu appears. Set to the present time and date (refer to "MANUAL CLOCK SETTING" on page 10) then start setting the timer recording.

2 Use **[▲ / ▼]** to select the desired program position, then press **[▶]**.



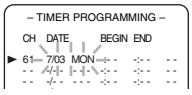
3 Use **[▲ / ▼]** until the desired channel number appears, then press **[▶]**.



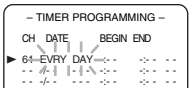
NOTE:
• If the unit is connected to a cable box or satellite box, the unit must be on CH3 or CH4. Select the channel to be recorded on the cable box or satellite box.

4 Set the starting date.

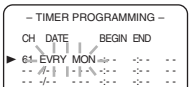
For once recording :
Press **[▲]** until the desired date appears. Then press **[▶]**.



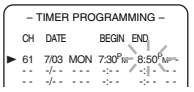
For every day recording :
To record the same channel at the same time every day.
Press **[▼]** until "EVRY DAY" appears, then press **[▶]**.



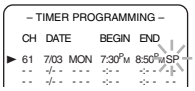
For weekly recording :
To record the same channel at the same time every week.
Press **[▼]** until "EVRY" and your desired day of the week (Ex. Every Monday) appear, then press **[▶]**.



5 Use **[▲ / ▼]** to set the desired begin/end hour and minute.
Press **[▶]** to move to next item.



6 Use **[▲ / ▼]** until the desired tape speed appears.
(Refer to "SELECTING TAPE SPEEDS" on page 15.)

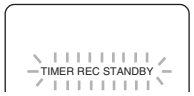


7 Press **[ENTER]** to complete setting.

- **To set another program, repeat steps *2* to *7*.**
- To correct the program while setting, press **[◀]** to go back one step and use **[▲ / ▼]** to enter the correct numbers.
- Press **[SET-UP]** to exit the menu.

8 Press **[POWER]** to set automatic timer recording.
The recording indicator lights up.

NOTES:
- ***You MUST turn off the unit to activate automatic timer recording.***
- *If power is not turned off and you continue watching TV, "TIMER REC STANDBY" starts flashing on the TV screen 2 minutes before the programmed start time.*



- *Make sure a cassette with erase-prevention tab is inserted before turning off the unit. If the cassette does not have the tab, it will be ejected when you press* **[POWER]** *to turn off.*

9 At the programmed start time, the unit begins recording.

NOTES:
- *The recording starts without turning on the TV screen.*
- ***During recording, you can watch only currently being recorded TV program or DVD playback.*** *Press* **[POWER]** *and* **[SELECT]** *to select the desired mode.*
- *If the tape runs out before the end time, the recording stops immediately and the cassette will be ejected.*

TO CONFIRM THE PROGRAM

1 Press **[POWER]** to turn on the unit.
(The Recording indicator turns off.)

2 Press **[SET-UP]**.
Use **[▲ / ▼]** to select "TIMER PROGRAMMING", then press **[ENTER]**.

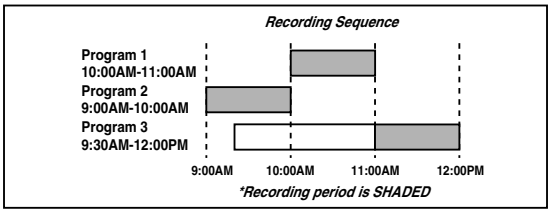
3 Confirm the details of programs that appear on the TV screen.

4 Press **[SET-UP]** to exit the menu.

ABOUT OVERLAP OF PROGRAMS

When programs overlap, a program may not be recorded.

- *The program with an earlier start has priority.*
- *Once the earliest program finishes, the overlapping programs will begin recording in sequence.*
- *When the starting time is the same, the program set on the highest position in the program list has priority.*
- *The illustration below demonstrates the sequence of recordings.*



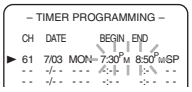
TIMER PROGRAM EXTENSION

You can shift the time schedule of an automatic timer recording after programming or during recording.

1 Press **[POWER]** to turn on the unit.

2 Press **[SET-UP]**.
Use **[▲ / ▼]** to select "TIMER PROGRAMMING", then press **[ENTER]**.

3 Press **[REC]** and use **[▲ / ▼]** to select the desired program.



4 Press **[REC]** repeatedly until your desired begin/end time appears.
Each press will shift forward the begin/end time for recording by 10 minutes.

NOTES:

- *When the recording is already in progress, each press will shift forward the end time only.*
- *If you want to cancel while setting, press* **[PAUSE ❚❚]** *on the remote control. The recording time returns to the original time.*
- *When you shift forward the time schedule during recording, the recording speed will be automatically set to the SLP mode.*

5 Press **[ENTER]** to complete the setting. Then press **[SET-UP]** to exit the menu.

TO CORRECT A PROGRAM AFTERWARD

1 Press **[POWER]** to turn on the unit.

2 Repeat steps 1 to 2 of "AUTOMATIC TIMER RECORDING" on page 19.

3 Press **[►]** (or press **[◄]** to go back one step) until the part you want to correct begins flashing, then use **[▲ / ▼]** to make the changes.
Press **[ENTER]** to confirm.

4 Press **[POWER]** to set automatic timer recording.

TO CANCEL A PROGRAM

1 Press **[POWER]** to turn on the unit.

2 If recording is in progress, press **[STOP/EJECT ■/⏏]** on the unit.

3 Press **[SET-UP]**.
Use **[▲ / ▼]** to select "TIMER PROGRAMMING", then press **[ENTER]**.

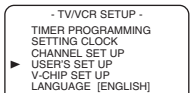
4 Use **[▲ / ▼]** to select a program you want to cancel and press **[CLEAR]**.

5 Press **[SET-UP]** to exit the menu.

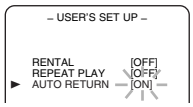
AUTO RETURN

This function allows you to automatically search the beginning of the recorded program(s) after timer recording finishes. TV/VCR

1 Press **[SET-UP]**.
Use **[▲ / ▼]** to point to "USER'S SET UP", then press **[ENTER]**.



2 Use **[▲ / ▼]** to point to "AUTO RETURN", then press **[ENTER]** to select "ON".



3 When all the timer recordings are completed, the unit will rewind to the beginning of the recorded program(s) and then turn itself off.

NOTE:
• If you turn off the unit while rewinding the tape, the AUTO RETURN will stop.

TO CANCEL THE AUTO RETURN MODE

Repeat steps 1 to 2 and press **[ENTER]** to select "OFF".

• Even if any power failure occurs, the unit will retain its memory for this feature.

AUTO REWIND-EJECT

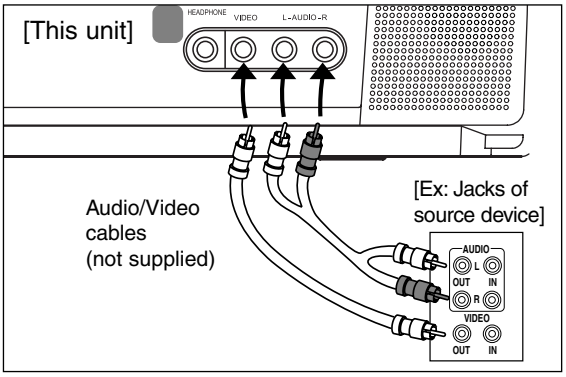
- When the end of a tape is reached during recording, playback, or fast-forward, the tape will automatically rewind to the beginning. After rewinding finishes, the unit will eject the tape and turn itself off. TV/VCR
- This function is operative when REPEAT PLAY is set to "OFF".
- The tape will not auto-rewind during timer recording or One Touch Recording (OTR).

COPYING A VIDEO CASSETTE (from another source)

You can make copies of video tapes for your enjoyment. TV/VCR
You CANNOT copy a DVD to a videotape.

WARNING: *Unauthorized recordings of copyrighted video tapes may be an infringement of copyright laws.*

Connect the unit and a source (for playing) device as shown the following diagram.



1 Insert a pre-recorded video cassette into the source device (VCR, camcorder, etc.).

2 Insert a video cassette to record into this unit's cassette compartment.

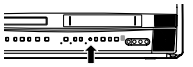
3 Press **[SPEED]** to select the desired recording speed (SP/SLP).



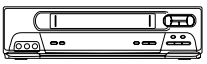
4 Press **[SELECT]** until "AUX" appears on the screen.



5 Press **[REC/OTR]** on the unit.



6 Begin playback of the tape in the source device.



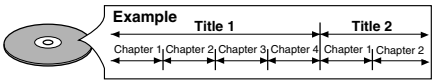
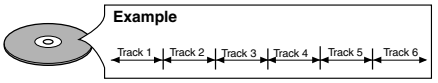
NOTE:
• For best results during copying, use the front panel controls whenever possible. The remote control might affect the operation of the source device.

7 To stop copying, press **[STOP/EJECT ■/⏏]** on the unit, then stop the playback on the source device.

DVD SECTION

ABOUT THE DISCS

PLAYABLE DISCS

Playable discs	Mark (logo)	Region code	Recorded signals	Disc size	Disc types
DVD-Video * 1,2,4,6, 10,11	DVD VIDEO, DVD VIDEO	or	Digital video (MPEG2)	12 cm or 8 cm	
DVD-RW DVD-R * 1,3,4,5, 6,7,9,10	DVD RW, DVD RW, DVD R, DVD R	-			
DVD+RW DVD+R * 1,3,4,5,6,8,9,10	RW DVD+ReWritable, RW DVD+R	-			
Audio CD * 4,6,10	COMPACT disc DIGITAL AUDIO	-	Digital audio	12 cm or 8 cm	
CD-RW CD-R * 4,5,6,9,10	COMPACT disc DIGITAL AUDIO ReWritable, COMPACT disc DIGITAL AUDIO Recordable, COMPACT disc ReWritable, COMPACT disc Recordable				

DVD is a trademark of DVD Format/Logo Licensing Corporation.

If you cannot play back a disc which bears one of the marks above, check the following notes.

*1: This unit conforms to the NTSC color system. Discs recorded in other color systems such as PAL cannot be played back.
*2: Certain DVD-Video discs do not operate as described in this manual due to the intentions of the disc's producers.
*3: Discs recorded in the VR (Video Recording) format cannot be played back.
*4: Scratched or stained discs may not be played back.
*5: Some discs cannot be played back because of incompatible recording conditions, characteristics of the recorder or special properties of discs.
*6: You can play back discs which bear the marks above. If you use nonstandardized discs, this unit may not play them back. Even if they are played back, the sound or video quality will be compromised.
*7: You may play back the unfinalized DVD-R/RW disc recorded in the video format on our brand's DVD recorder. However, depending on the recording status of a disc, the disc may not be played back at all or normally (the picture or sound may not be smooth, etc.). In this case, you need to finalize the disc with the DVD recorder. Refer to the manual accompanying the DVD recorder.
*8: Only the discs recorded in the video format and finalized can be played back.
Unfinalized discs cannot be played back. Depending on the recording status of a disc, the disc may not be played back at all or normally (the picture or sound may not be smooth, etc.).
*9: If there is too much recording space left on a disc (the used portion is less than 55mm across), it may not play back properly.
*10: Do not glue paper or put stickers on to the disc. These may damage the disc and the unit may not read it correctly.
*11: The number inside the symbol refers to a region of the world and a disc encoded in a specific region format can only be played back on unit with the same region code.

UNPLAYABLE DISCS

- **NEVER play back the following discs. Otherwise, malfunction may result!**
 DVD-RAM / CD-i / Photo CD / Video CD / DVD-Audio / DVD with region codes other than 1 or ALL / DTS-CD / DVD-ROM for personal computers / CD-ROM for personal computers / MP3
- **The sound MAY NOT be heard:** Super Audio CD
 NOTE:
 Only the sound recorded on the normal CD layer can be delivered. The sound recorded on the high density Super Audio CD layer cannot be delivered.
- ***Any other discs without compatibility indications***

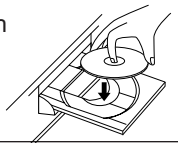
PLAYING A DISC

BASIC PLAYBACK

1 Press **[POWER]** to turn on the unit. DVD-V CD

2 Press **[OPEN/CLOSE ⏏]** on the unit.

3 Place the disc in the tray, with the label facing up.



4 Press **[PLAY ▶]**.

- The tray will close automatically and playback will start. When you play back a DVD which features a title menu, it may appear on the screen.

NOTES:

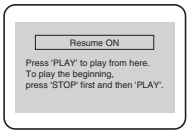
- *Closing the disc tray manually or by pressing* **[OPEN/CLOSE ⏏]** *also starts playback.*
- *With DVDs that use titles for play back program signals, playback may start from the second title or it may skip these titles.*

5 To freeze the picture, press **[PAUSE ❚❚]** during playback.

NOTE:

- *The sound will be muted in pause mode.*

6 Press **[STOP ■]** to stop playback temporarily.



- Press **[PLAY ▶]** to resume the playback.
- To cancel resume and stop the disc, **[STOP ■]** again.

NOTES:

- *The resume information stays on even if the unit is turned off.*
- *A "prohibited icon" may appear at the top-right on the TV screen during operation. This means that the operation is not available on the disc.*



STEP BY STEP PLAYBACK

- During playback, press **[PAUSE ❚❚]**. You can advance the picture frame by frame by pressing **[PAUSE ❚❚]** repeatedly. DVD-V
- To return to normal playback, press **[PLAY ▶]**.

FAST FORWARD / FAST REVERSE

- During playback, press and hold **[FWD ▶▶]** for fast forward or **[REV ◀◀]** for fast reverse. DVD-V CD
- Every time you press and hold the button, playback speeds up and the level of the speed appears on the screen.



NOTES:

- *For DVDs, fast forward/reverse speed is different depending on the disc. Approximate speed is 1 (×2), 2 (×8), 3 (×20), 4 (×50) and 5 (×100).*
- *For Audio CDs approximate speed is 1 (×2), 2 (×8) and 3 (×30).*
- *When you use buttons on the front panel, use* **[SEARCH ◀◀ / ▶▶]**.

- To return to normal playback, press **[PLAY ▶]**.

SLOW FORWARD / SLOW REVERSE

- During playback, press **[PAUSE ❚❚]**. DVD-V
- Press and hold **[FWD ▶▶]** for slow forward or **[REV ◀◀]** for slow reverse.
- Every time you press and hold the button, playback is slowed down and the level of the speed appears on the screen.



NOTES:

- *Slow forward / reverse speed varies with the disc. Approximate speed is 1 (1/16), 2 (1/8) and 3 (1/2).*
- *When you use buttons on the main unit, use* **[SEARCH ◀◀ / ▶▶]**.

- To return to normal playback, press **[PLAY ▶]**.

DISC MENU / TITLE MENU

DVD may contain menus to navigate the disc and access special features. DVD-V

1 Press **[DISC MENU]** or **[TITLE]**.

- The DVD main menu / the title menu will appear.
- You can call up the menu even during playback.

2 Use **[▲ / ▼ / ◀ / ▶]** to select an item, and press **[ENTER]**.

NOTES:

- *If disc menu is available on the disc, audio language, subtitle options, chapters for the title and other options will appear for selection.*
- *Contents of menu and corresponding menu operations may vary between discs. Refer to the manual accompanying the disc for details.*

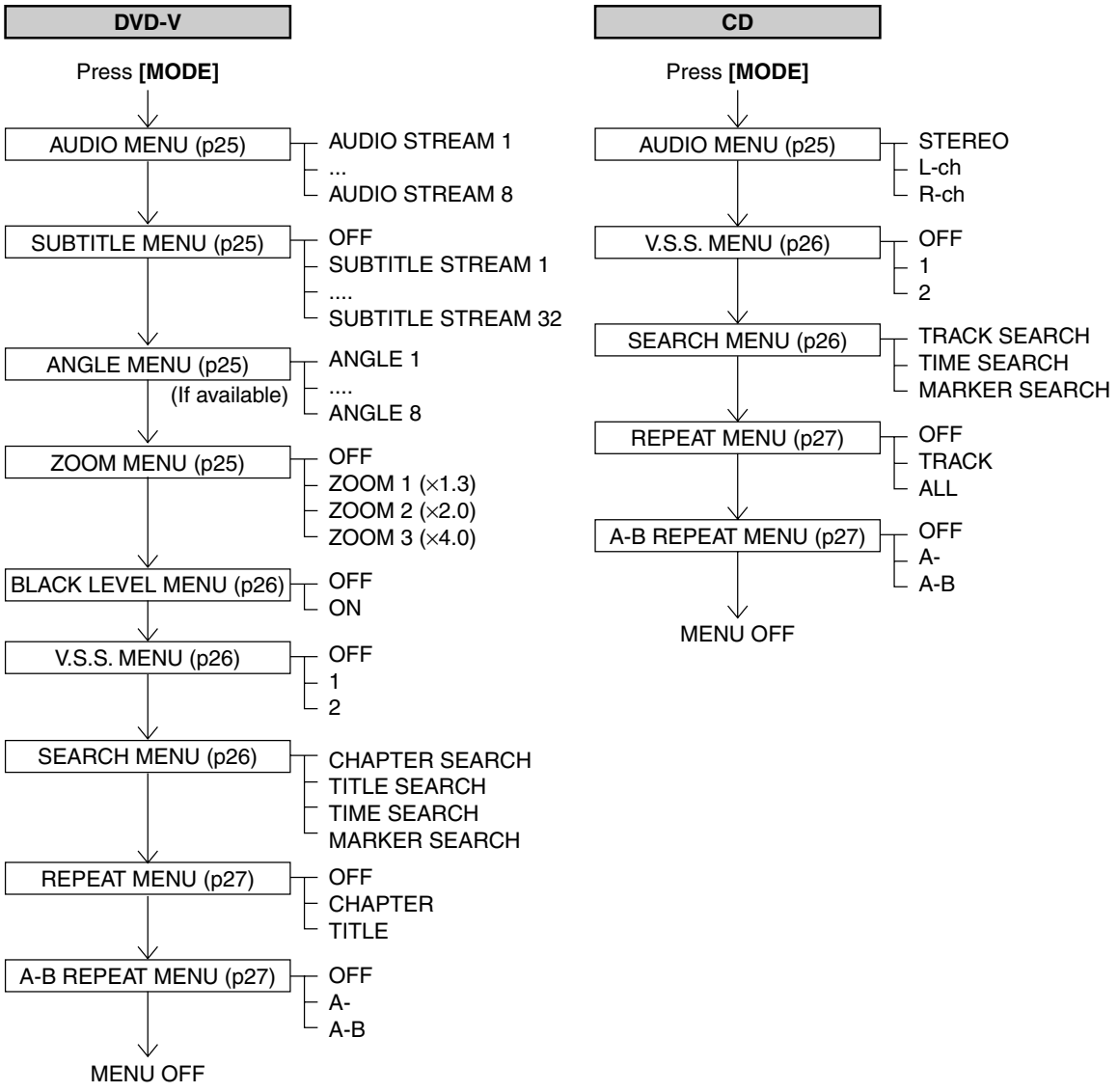
SPECIAL PLAYBACK FUNCTIONS & SETTINGS

FUNCTION TABLE

Setting menu switches as below every time you press **[MODE]** during playback.

DVD-V CD

See the reference page for how to set each menu. Some functions are not available in specific modes, but this is not a malfunction.



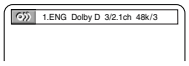
AUDIO MENU

AUDIO LANGUAGE

DVD-V

You can select audio language during DVD playback **(if multi languages are available).**

1 Press **[MODE]** during playback.



2 Use **[▲ / ▼]** to select your desired language.

NOTES:

- *This function may not work on some DVDs with multiple audio languages. In this case, set it on the disc menu. (Operation varies depending on discs. Refer to the manual of the disc.)*
- *When "NOT AVAILABLE" appears on the TV screen, it means this function is not available on the disc.*



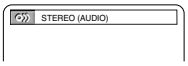
3 Press **[RETURN]** to exit the menu.

STEREO SOUND MODE

CD

You can select sound output mode.

1 Press **[MODE]** during playback.



2 Use **[▲ / ▼]** to select the sound mode.

- STEREO: stereo sound with left and right channels
 L-ch: left channel sound only
 R-ch: right channel sound only

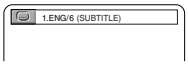
3 Press **[RETURN]** to exit the menu.

SUBTITLE LANGUAGE

You can select a language for subtitles during DVD playback (if available).

DVD-V

1 During playback, press **[MODE]** repeatedly until SUBTITLE menu appears.



2 Use **[▲ / ▼]** to select your desired subtitle language. To cancel subtitles, select "OFF".

3 Press **[RETURN]** to exit the menu.

NOTES:

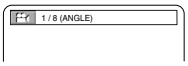
- *This function may not work on some DVDs with multiple subtitle languages. In this case, set it on the disc menu. (Operation varies depending on discs. Refer to the manual of the disc.)*
- *If the selected language does not have 3-letter code, "---" will be displayed on the screen. (Refer to "LANGUAGE CODE LIST" on page 35.)*

ANGLE MENU

Some DVD discs contain scenes which have been shot from various angles and you can change them as you like.

DVD-V

1 During playback, press **[MODE]** repeatedly until ANGLE menu appears.



2 Use **[▲ / ▼]** to select your desired angle.

3 Press **[RETURN]** to exit the menu.

NOTE:

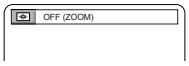
- *If multiple angle function is not available, this menu does not appear on the screen.*

ZOOM

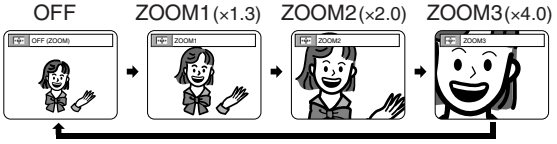
The Zoom function allows you to enlarge the video image and to pan through the enlarged image.

DVD-V

1 During playback, press **[MODE]** repeatedly until ZOOM menu appears.



2 Press **[ENTER]** repeatedly to select the required zoom factor.



3 Use **[▲ / ▼ / ◄ / ►]** to move the zoomed picture across the screen.

4 Press **[RETURN]** to exit.

- The zoomed position guide appears on the right corner of the TV screen in the zoom mode.



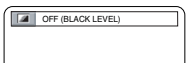
NOTES:

- *Zooming function does not work while disc menu is shown.*
- *Zooming function is not available on some discs.*
- *It may take several seconds to slide the zoomed picture.*
- *The picture may be distorted if you operate other functions (ex. pause, fast forward etc.) repeatedly in the zoom mode.*
- *To cancel the zoom mode, repeat steps 1-2 and press* **[ENTER]** *until "OFF" appears.*

BLACK LEVEL MENU

You can adjust the Black Level to make the black parts of the picture brighter. DVD-V

1 During playback, press **[MODE]** repeatedly until BLACK LEVEL menu appears.



2 Use **[▲ / ▼]** to select "ON" or "OFF".

- ON: Makes the dark parts brighter.
- OFF: Shows the original picture as recorded. (Initial setting)

3 Press **[RETURN]** to exit the menu.

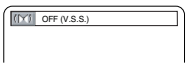
NOTE:

• The setting will be saved even if the unit is turned off.

V.S.S. (Virtual Surround System)

You can enjoy surround-sound effect over two speakers on this unit. DVD-V CD

1 During playback, press **[MODE]** repeatedly until V.S.S. menu appears.



2 Use **[▲ / ▼]** to select the desired sound effect.

- 1: Natural effect
- 2: Emphasized effect
- OFF: No effect (Initial setting)

3 Press **[RETURN]** to exit the menu.

NOTES:

• When playing back 96kHz with Virtual Surround function, the sound will be down sampled at 48kHz and output as digital audio.

(for CD play only)

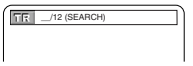
• Virtual Surround System will be effective only when you set the sound mode to "STEREO". (Refer to "STEREO SOUND MODE" on page 25.)

SEARCH MENU

You can begin playback at a specific track, title, chapter or from a specific point on a disc.

TRACK SEARCH CD

1 During playback, press **[MODE]** repeatedly until SEARCH menu appears.



2 Within 60 seconds, use **the Number buttons** to select the desired track number. Playback will start from the selected track.

NOTES:

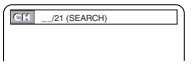
• For single digit press **[0]** *first, if the total track of the disc is 10 tracks or more.*

• During playback or pause, you can also select tracks by skipping with **[I◀◀ / ▶▶I]** *(or* **[SKIP I◀◀ / ▶▶I]** *on the front panel), or entering the desired track number with* ***the Number buttons****.*

3 Press **[RETURN]** to exit the menu.

CHAPTER SEARCH DVD-V

1 During playback, press **[MODE]** repeatedly until SEARCH menu appears.



2 Use **the Number buttons** to enter the desired chapter number. Playback will start at the selected chapter.

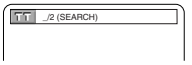
- Press **[CLEAR]** to erase the incorrect input.
- For single digit press **[0]** first, if the total number of chapters of the disc is 10 or more.

3 Press **[RETURN]** to exit the menu.

TITLE SEARCH DVD-V

1 During playback, press **[MODE]** repeatedly until SEARCH menu appears.

2 Use **[▲ / ▼]** to display TITLE SEARCH menu.



3 Use **the Number buttons** to enter the desired title number. Playback will start at the selected title.

- Press **[CLEAR]** to erase the incorrect input.
- For single digit press **[0]** first, if the total number of titles of the disc is 10 or more.

4 Press **[RETURN]** to exit the menu.

TIME SEARCH

DVD-V CD

1 During playback, press **[MODE]** repeatedly until SEARCH menu appears.

2 Use **[▲ / ▼]** repeatedly to display TIME SEARCH menu.



3 Within 60 seconds, use **the Number buttons** to enter a desired disc time. Playback will start at the specified time.

- Press **[CLEAR]** to erase the incorrect input.
- When there is no need to enter a number, "0" appears automatically.

4 Press **[RETURN]** to exit.

MARKER SEARCH

DVD-V CD

You can set markers to memorize your favorite places on a disc.

1 During playback, press **[MODE]** repeatedly until SEARCH menu appears.

2 Use **[▲ / ▼]** repeatedly to display MARKER SEARCH menu.

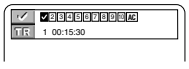


<Example: CD>

3 Use **[◀ / ▶]** to select a marker number among 1 to 10.

4 When the track (or title) reaches your desired point, press **[ENTER]** to set a marker.

- The track (or title) number and elapsed playing time will appear on the TV screen.



5 You can play from the desired point by selecting the marker number by using **[◀ / ▶]** and then pressing **[ENTER]**.

6 To clear a marker, select the marker number and press **[CLEAR]**. To clear all markers at once, select "AC" with **[◀ / ▶]** and press **[ENTER]**.

NOTE:

- *The following operation will also erase all markers:*
 - *– Opening the disc tray*
 - *– Turning off the power*
 - *– Pressing* **[SELECT]**

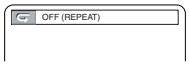
7 Press **[RETURN]** to exit the menu.

REPEAT PLAYBACK

REPEAT TRACK

CD

1 During playback, press **[MODE]** repeatedly until REPEAT menu appears.



2 Use **[▲ / ▼]** to select your desired repeat mode.

- OFF: Repeat function off
 TRACK: Current track repeat
 ALL: All track repeat

NOTE:

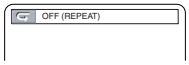
- *Repeat Track setting will be cleared when moving to other track.*

3 Press **[RETURN]** to exit the menu.

REPEAT TITLE / CHAPTER

DVD-V

1 During playback, press **[MODE]** repeatedly until REPEAT menu appears.



2 Use **[▲ / ▼]** to select your desired repeat mode.

- OFF: Repeat function off
 CHAPTER: Current chapter repeat
 TITLE: Current title repeat

NOTES:

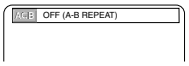
- *Repeat Title/Chapter is not available in some scenes.*
- *The REPEAT setting will be cleared when moving to other title or chapter.*

3 Press **[RETURN]** to exit the menu.

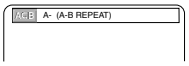
REPEAT A-B

DVD-V CD

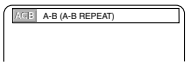
1 Press **[MODE]** repeatedly until A-B REPEAT menu appears.



2 Press **[ENTER]** at your desired starting point (A).
To cancel it, press **[CLEAR]**.



3 Press **[ENTER]** again at your desired ending point (B).
The repeat sequence begins.



4 To exit the sequence, follow step1 and press **[ENTER]** repeatedly until "OFF" appears and press **[RETURN]** to exit the menu.

NOTES:

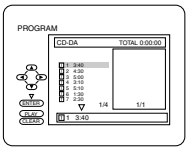
- *The A-B repeat section can be set only within the current title (for DVDs) or current track (for Audio CDs).*
- *A-B repeat is not available with some scenes in DVD.*
- *A-B repeat playback is not available during other repeat playback.*

PROGRAMMED PLAYBACK

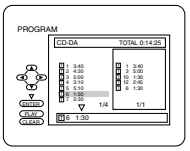
You can determine the playing order of tracks.

1 In the stop mode, press **[MODE]**.

• The PROGRAM screen appears.



2 Use **[▲ / ▼]** to select a track, then press **[ENTER]**.



NOTES:

- *Up to 99 tracks can be entered.*
- *Press* **[CLEAR]** *to erase the most recently entered track.*
- *If you enter more than 8 tracks, you can change pages of the program list with* **[I◄◄ / ►►I]**.
- *To erase all tracks in the program at once, select "ALL CLEAR" at the bottom of the track list.*

3 Repeat step **2** until you select all the tracks you want to play in the program.

4 Press **[PLAY ►]** to play the programmed tracks.

5 Press **[STOP ■]** to temporarily stop the playback. You can resume the playback by pressing **[PLAY ►]**.
Press **[STOP ■]** twice to cancel the programmed playback.

NOTE:

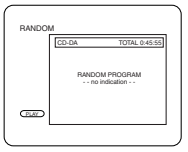
- *REPEAT setting is available during programmed playback. (Refer to "REPEAT TRACK" on page 27.)*

RANDOM PLAYBACK

This function shuffles the playing order of tracks.

1 In the stop mode, press **[MODE]** twice.

• The RANDOM screen appears.



2 Press **[PLAY ►]** to start random playback.

NOTE:

- *REPEAT setting is available during random playback. (Refer to "REPEAT TRACK" on page 27.)*

3 Press **[STOP ■]** to stop random playback.

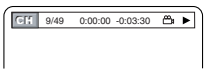
ON-SCREEN INFORMATION

You can check the information about the current disc by pressing **[DISPLAY]**.

For DVD-Videos

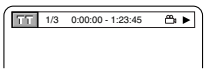
1 Press **[DISPLAY]** during playback to show current Chapter.

• The elapsed and remaining playing time of the current chapter will be displayed.



2 Press **[DISPLAY]** again to show current Title.

• The elapsed and remaining playing time of the current title will be displayed.



3 Press **[DISPLAY]** again.

• The bit rate and the current repeat setting will be displayed.



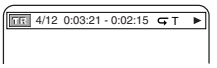
• If you are playing a dual layered disc, the layer number will also be displayed.
(L0: Layer 0 is playing. L1: Layer 1 is playing).

4 Press **[DISPLAY]** again to exit.

For Audio CDs

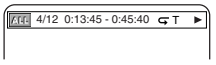
1 Press **[DISPLAY]** during playback to show the current Track.

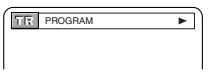
• The elapsed and remaining playing time of the current track will be displayed.



2 Press **[DISPLAY]** again to show current Total Track.

• The elapsed and remaining playing time of the total track will be displayed.



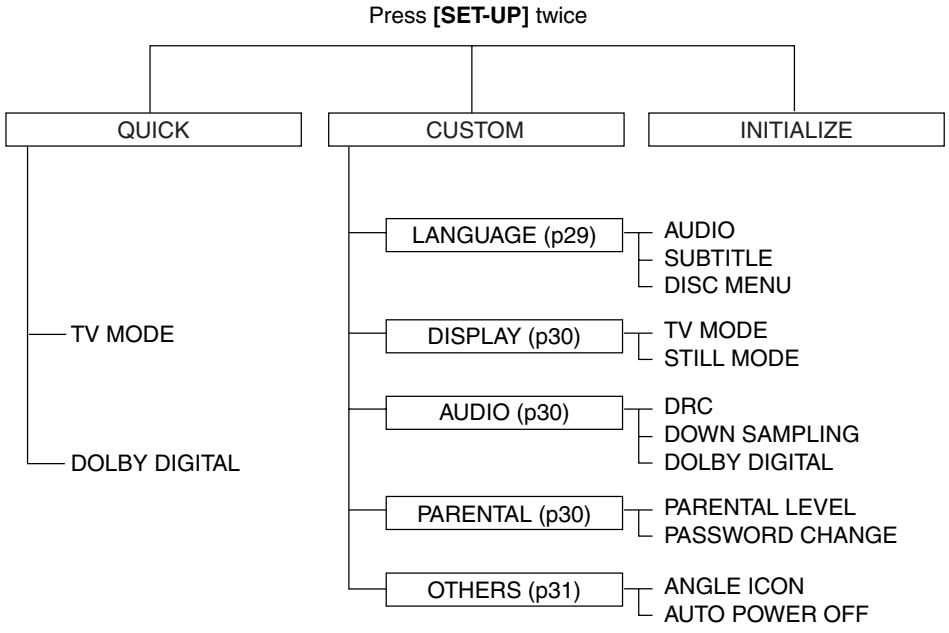


When in the PROGRAM mode or RANDOM mode.

3 Press **[DISPLAY]** again to exit.

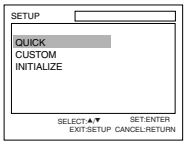
CHANGING THE DVD SET UP ITEMS

You can change the DVD player's settings by pressing **[SET-UP]** in DVD mode.
The set up items are shown in the diagram below.



CUSTOM MENU

1 In the stop mode, press **[SET-UP]** twice to display the DVD SETUP menu.

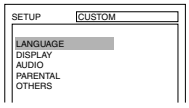


NOTES:

- *Pressing* **[SET-UP]** *once will show TV/VCR SETUP menu partly.*
- *If the menu does not appear, press* **[STOP ■]** *first. Make sure the unit is in DVD mode before setting.*

2 Use **[▲ / ▼]** to select "CUSTOM", then press **[ENTER]**.

3 Use **[▲ / ▼]** to select the desired item, then press **[ENTER]**.
Refer to the pages below for continuation to set up each item.

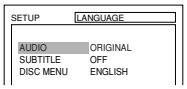


- LANGUAGE setting: P29 **A**
- DISPLAY setting: P30 **B**
- AUDIO setting: P30 **C**
- PARENTAL setting: P30 **D**
- OTHERS setting: P31 **E**

A LANGUAGE SETTING

DVD-V

4 Use **[▲ / ▼]** to select the desired item, then press **[ENTER]**.

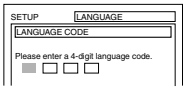


- AUDIO: Sets the audio language.
- SUBTITLE: Sets the subtitle language.
- DISC MENU: Sets the language for DVD menu.

5 Use **[▲ / ▼]** to select your desired language from the list, then press **[ENTER]**.

6 Press **[SET-UP]** to exit the menu.

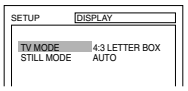
NOTES:



- *If your desired language is not on the list, select "OTHER" and enter the code of the language. (Refer to "LANGUAGE CODE LIST" on page 35.)*
- *This feature may not be valid due to default setting of the disc. In this case, press* **[MODE]** *to select the language. (Refer to "AUDIO MENU" on page 25.)*
- *If you select a language that is not supported by the disc, subtitle will be "OFF" automatically and the default language of the disc will be selected.*
- *To change the language for the on-screen menus, call up the TV/VCR SETUP menu by pressing* **[SET-UP]** *once and set the language. (Refer to "ON-SCREEN MENU LANGUAGE" on page 11.)*

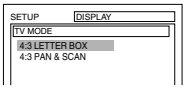
B DISPLAY SETTING

4 Use **[▲ / ▼]** to select an item, then press **[ENTER]**.



• TV MODE: **QUICK**

You can change certain aspects of the DVD display screens and on-screen messages on the TV screen.



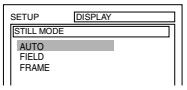
- 4:3 LETTER BOX (default):
 To show black bars on top and bottom of the screen.
- 4:3 PAN & SCAN:
 To show a full height picture with both sides trimmed.

NOTE:

• You can access this setting directly by selecting "QUICK" at step 2 on page 29.

• STILL MODE:

This function allows you to adjust picture resolution and quality in the still mode.



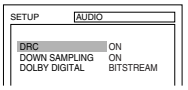
- AUTO (default):
 Automatically select the best resolution setting (FRAME or FIELD) based on the data characteristics of the pictures.
- FIELD:
 Select "FIELD" when the pictures are still unstable even if "AUTO" is selected. FIELD stabilizes the pictures, although the picture quality may become coarse due to the limited amount of data.
- FRAME:
 Select "FRAME" to display relatively motionless pictures in higher resolution. FRAME improves the picture quality, although it may unstabilize the pictures due to simultaneous output of two field data.

5 Press **[SET-UP]** to exit the menu.

C AUDIO SETTING

Choose the appropriate Audio settings for your equipment as it only affects during the playback of DVD discs.

4 Use **[▲ / ▼]** to select an item, then press **[ENTER]** repeatedly until your desired setting appears.



• DRC (Dynamic Range Control):
- ON : To compress the range of soft to loud sound. (default)
- OFF : Output the original sound.

• DOWN SAMPLING:
- ON : Output in 48kHz. (default)
- OFF : Output the original sound.

NOTE:

• When playing a disc with copyright protection, the sound will be output at 48kHz even if the setting is "OFF".

• DOLBY DIGITAL: **QUICK**
- BITSTREAM: Output a Dolby Digital signal. (default)
- PCM: Convert the Dolby Digital to PCM. (2 channel stereo)

NOTES:

• You can access this setting directly by selecting "QUICK" at step 2 on page 29.

• Set to "BITSTREAM" when the unit is connected to a Dolby Digital Decoder.

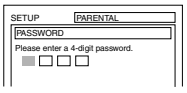
5 Press **[SET-UP]** to exit the menu.

D PARENTAL SETTING

This feature allows you to set the rating level of your DVD discs. Playback will stop if the disc ratings exceed the level you set.

PARENTAL LEVEL

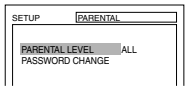
4 Enter four-digit password with **the Number buttons**, then press **[ENTER]**.



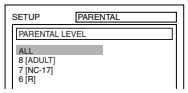
NOTE:

• Enter any 4 digits (except for 4737) to set the password for the first time, and record it for your memory.

5 Use **[▲ / ▼]** to select "PARENTAL LEVEL", then press **[ENTER]**.



6 Use **[▲ / ▼]** to select the desired level, then press **[ENTER]**.



7 Press **[SET-UP]** to exit the menu.

CONTROL LEVELS

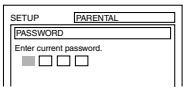
- **ALL:** All parental locks are canceled.
- **8 [ADULT]:** DVD software of any grade (adult/general/children) can be played back.
- **7 to 2**: Only DVD software intended for general use and children can be played back.
- **1 [KID SAFE]:** Only DVD software intended for children can be played back, with those intended for adult and general use prohibited.

NOTE:

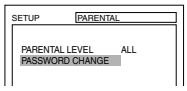
• With some DVDs, it may be difficult to find if they are compatible with parental lock. Be sure to check if the parental lock function operates in the way that you have set.

PASSWORD CHANGE

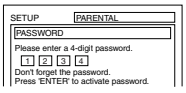
4 Enter current password with **the Number buttons**, then press **[ENTER]**.



5 Use **[▲ / ▼]** to select "PASSWORD CHANGE", then press **[ENTER]**.



6 Enter four-digit password with **the Number buttons**, then press **[ENTER]**.



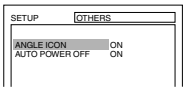
7 Press **[SET-UP]** to exit the menu.

NOTE:

• If you forget the current password, enter 4737 first, then enter your new password.
The former password will be cleared and parental level will be set to "ALL" (default).

E OTHERS SETTING

4 Use **[▲ / ▼]** to select an item, then press **[ENTER]** repeatedly to set the feature "ON" or "OFF".



- ANGLE ICON:
 - ON: To show the angle icon when multiple camera angles are available during DVD playback. (default)
 - OFF: To keep angle icon from the display.
- AUTO POWER OFF:
 - ON: To activate screen saver program and turn off the unit automatically. (default)
 - OFF: To deactivate Auto Power Off function.

NOTE:

• The screen saver program starts when there is no input from the unit for 5 minutes in the stop mode. After the screen saver program is activated for 15 minutes, the power is automatically turned off.

5 Press **[SET-UP]** to exit the menu.

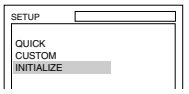
INITIALIZE

This allows you to return all items of SETUP menu (except for **PARENTAL setting** and **menu language**) to their default settings.

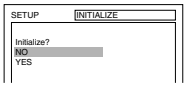
DVD-V

1 In the stop mode, press **[SET-UP]** twice to display the DVD SETUP menu.

2 Use **[▲ / ▼]** to select "INITIALIZE", then press **[ENTER]**.



3 Use **[▲ / ▼]** to select "YES", then press **[ENTER]** twice.
- To cancel the initialization, select "NO".



4 Press **[SET-UP]** to exit the menu.

TROUBLESHOOTING GUIDE

If the unit does not perform properly when operated as instructed in this Owner's Manual, check the following guide for the possible remedy of a problem before contacting the Customer Service. Sometimes a performance problem can be easily solved by checking seemingly apparent but often overlooked possibilities. It could save your time and money.

	SYMPTOM	POSSIBLE REMEDY	PAGE
General	No power	• Make sure the power plug is connected to an AC outlet. • (In case of power failure) Check the breaker.	9 --
	No operation by remote control	• Check if the batteries are weak or inserted incorrectly. Replace weak batteries and insert with their polarities (+/- signs) as indicated. • Aim the remote control at the remote sensor and operate within 23 feet (7m) of the unit. • Remove all obstacles to clear the path of the infrared signal. • Refer to the infrared signal. • Select the correct mode to operate by pressing **[SELECT]**. • The operable range from the unit is 10 feet (3m) within 15˚.	7 -- -- 34 9 --
TV/VCR mode	Poor or no picture	• Check if antenna or cable is connected properly. • Check for the broken pin or wire of antenna cable. • Check for source of reception disturbance. • Press **[SELECT]** to select the correct mode. • Perform channel scanning to memorize available TV channels. • Try another channel. If OK, then possible station problem. • Adjust picture control (COLOR/CONTRAST/BRIGHT etc.). • Check for magnetism from nearby appliances and try degaussing.	6 -- -- 9 13 -- 9 --
	Poor or no picture in playback	• Adjust tracking control. • Try video head cleaning. • The videotape may be old or worn. Replace with new one.	15 34 --
	Poor or no sound	• Adjust volume control using **[VOL. △ / ▽]**. • Try another channel. If OK, then possible station problem. • Check if the unit is in Still mode or Slow motion playback. If so, press **[PLAY ►]** to return to normal playback.	-- -- 15
	Cannot go into recording mode	• Make sure the cassette has an erase-prevention tab. If necessary, cover the hole with plastic tape.	15
	Timer recording does not work or results in failure	• Make sure the begin/end time is set correctly. • Make sure the power is off to activate timer recording. • Check if the unit's clock is set to current time and date. • The program may contain copy protection signals that restricts copying. • The timer setting overlapped with another setting has priority. • Check if the tape reached the end during recording. • Check if the power failure during recording.	19 19 10 -- 20 -- --
	Picture or color fades in and out when copying a videotape	• You cannot copy a copyrighted videotape. You are experiencing copy guard protection.	21

	SYMPTOM	POSSIBLE REMEDY	PAGE
TV/VCR mode	Misspelling in captions	• Error committed by the closed captioning production company. • Possible in a live broadcast. Not in case of a prerecorded program.	-- --
	Text is not shown in its entirety or a delay occurs from what is being said	• A few seconds of delay is common for live broadcast. If a dialogue exceeds the display capacity (220 words per minute), selective editing is used so that the captions remain up-to-date with the current TV screen dialogue.	--
	Captions scrambled with white boxes	• Caused by interferences of building, power lines, thunderstorms, etc.	--
	No captions in a program which must contain closed caption	• The broadcast may use a time compression process to speed up the program. The decoder cannot read the compressed information and captions will be lost.	--
	No captions in a pre-recorded videotape with indicated closed captions included	• Possibility of a illegal copy or an erroneous copying process accidentally performed by the fabricator.	--
	Black box in the TV screen	• You are in TEXT mode. Select CAPTION mode or "OFF"	11
DVD mode	No picture	• This unit cannot play DVD-RAM/CD-i/Photo CD/Video CD/DVD with region codes other than "1" and "ALL".	22
	Disc cannot be played	• Clean the disc. • Place the disc correctly, with the label side up. • Cancel the parental setting or change the control level.	34 23 30
	No sound	• Correct the audio output settings. • Confirm the power and audio settings of external audio component.	30 --
	No DTS audio is output	• This unit does not support DTS audio. This is not a malfunction.	--
	Distorted picture	• During the playback of a 2-layered disc, pictures may stop for a moment. This happens while the 1st layer is being switched to the 2nd layer. This is not a malfunction. • This happens right after fast forwarding or rewinding.	-- --
	Audio or subtitle language does not match the setting	• The selected language is not available for audio or subtitle on the DVD.	29
	The camera angle cannot be changed	• The DVD does not contain sequences recorded from different camera angles.	25
	Audio or subtitle language cannot be changed	• The DVD does not contain audio source or subtitles in the selected language.	29
	"Prohibited icon" appears on the screen	• That operation is not available by the unit or the disc.	23
	CD/DVD sound dropout No CD/DVD reproduction DVD picture poor	• Scratched disc. Replace with an unscratched one.	--

NOTES:

• Some functions are not available in specific modes, but this is not a malfunction. Read the description in this Owner's Manual for details on correct operations.

• Playback from a desired track and random playback are not available during playback.

MAINTENANCE

DEGAUSSING

A degaussing circuit in this unit clears up color errors on the TV screen. Color errors occur when there is any excess magnetism close to the unit. This circuit is designed to operate once when the unit is first plugged in. **If you see minor color errors on the screen, unplug the unit for approximately 30 minutes.** When you plug the unit again, the degaussing circuit will operate to clear errors. Take this step any time the TV screen is accidentally magnetized or when you move the unit.

AUTO HEAD CLEANING

- Automatically cleans video heads as you insert or remove a cassette, so you can see a clearer picture.
- Playback picture may become blurred or interrupted while the TV program reception is clear. Dirt accumulated on the video heads after long periods of use or the usage of rental or worn tapes can cause this problem.
 If a streaky or snowy picture appears during playback, the video heads in your unit may need to be cleaned.

1. Please visit your local Audio/Video store and purchase a good quality VHS Video Head Cleaner.
2. If a Video Head Cleaner does not solve the problem, please call our help line mentioned on the front page, to locate an Authorized Service Center.

NOTES:

- *Remember to read the instructions included with the video head cleaner before use.*
- *Clean video heads only when problems occur.*

IF THE LASER OPTICAL PICKUP UNIT IS DIRTY

- If the unit still does not perform properly when it is operated, while referring to the relevant sections and to “TROUBLESHOOTING GUIDE” in this Owner’s Manual, the laser optical pickup unit may be dirty. Consult your dealer or an Authorized Service Center for inspection and cleaning of the laser optical pickup unit.

CABINET CLEANING

- Wipe the front panel and other exterior surfaces of the unit with a soft cloth immersed in lukewarm water and wrung dry.
- Never use a solvent or alcohol. Do not spray insecticide liquid near the unit. Such chemicals may cause damage and discoloration to the exposed surfaces.

SERVICING

- Should your unit become inoperative, do not try to correct the problem by yourself. There are no user-serviceable parts inside. Turn off, unplug the power cord and **please call our help line mentioned on the front page,** to locate an Authorized Service Center.

IR SIGNAL CHECK

Use the AM radio or the digital camera to check if the remote control properly sends out the infrared signal. It will help to define the cause of malfunction.

Using AM radio

- *Tune the AM radio to no broadcasting band. Press any button on remote control toward the radio. If the radio receives the signal from remote control properly, the sound will flutter.*



Using digital camera (including built-in camera of cellular phone)

- *Press and hold any button on remote control toward a digital camera. The remote control is working if you confirm infrared light through the digital camera.*



DISC HANDLING

- Handle the discs so that fingerprints and dust do not adhere to the surfaces of the discs.



- Always store the disc in its protective case when it is not used.
- To clean-off, use a soft cloth.
- Do not use a hard cloth since this will mar the disc.



- Wipe the disc in a straight line from center to edge.
- Never wipe with a circular motion.
- Do not use detergent or abrasive cleaning agents.



APPENDIX

CABLE CHANNEL DESIGNATIONS

If you subscribe to cable TV, the channels are displayed as 1-125. Cable companies often designate channels with letters or letter-number combinations. Please check with your local cable company. The following is a chart of common cable channel designations.

CATV channel	5A	2	3	4	5	6	7	8	9	10	11	12	13	A	B
TV Display	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CATV channel	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
TV Display	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
CATV channel	R	S	T	U	V	W	W+1	W+2	W+3	W+4	W+5	W+6	W+7	W+8	W+9
TV Display	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
CATV channel	W+10	W+11	W+12	W+13	W+14	W+15	W+16	W+17	W+18	W+19	W+20	W+21	W+22	W+23	W+24
TV Display	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CATV channel	W+25	W+26	W+27	W+28	W+29	W+30	W+31	W+32	W+33	W+34	W+35	W+36	W+37	W+38	W+39
TV Display	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
CATV channel	W+40	W+41	W+42	W+43	W+44	W+45	W+46	W+47	W+48	W+49	W+50	W+51	W+52	W+53	W+54
TV Display	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
CATV channel	W+55	W+56	W+57	W+58	A-5	A-4	A-3	A-2	A-1	W+59	W+60	W+61	W+62	W+63	W+64
TV Display	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
CATV channel	W+65	W+66	W+67	W+68	W+69	W+70	W+71	W+72	W+73	W+74	W+75	W+76	W+77	W+78	W+79
TV Display	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
CATV channel	W+80	W+81	W+82	W+83	W+84										
TV Display	121	122	123	124	125										

LANGUAGE CODE LIST

Language	Code
A-B	
Abkhazian	4748
Afar	4747
Afrikaans	4752
Albanian	6563
Amharic	4759
Arabic	4764
Armenian	5471
Assamese	4765
Aymara	4771
Azerbaijani	4772
Bashkir	4847
Basque	5167
Bengali;Bangla	4860
Bhutani	5072
Bihari	4854
Bislama	4855
Breton	4864
Bulgarian	4853
Burmese	5971
Byelorussian	4851
C-E	
Cambodian	5759
Catalan	4947
Chinese [CHI]	7254
Corsican	4961
Croatian	5464
Czech [CZE]	4965
Danish [DAN]	5047
Dutch [DUT]	6058
English [ENG]	5160
Esperanto	5161
Estonian	5166
F-H	
Faroese	5261
Fiji	5256
Finnish [FIN]	5255
French [FRE]	5264
Frisian	5271
Galician	5358
Georgian	5747
German [GER]	5051
Greek [GRE]	5158
Greenlandic	5758
Guarani	5360
Gujarati	5367
Hausa	5447
Hebrew	5569
Hindi	5455
Hungarian [HUN]	5467
I-K	
Icelandic [ICE]	5565
Indonesian	5560
Interlingua	5547
Interlingue	5551
Inupiak	5557
Irish [IRI]	5347
Italian [ITA]	5566
Japanese [JPN]	5647
Javanese	5669
Kannada	5760
Kashmiri	5765
Kazakh	5757
Kinyarwanda	6469
Kirghiz	5771
Kirundi	6460
Korean [KOR]	5761
Kurdish	5767
L-N	
Laothian	5861
Latin	5847
Latvian;Lettish	5868
Lingala	5860
Lithuanian	5866
Macedonian	5957
Malagasy	5953
Malay	5965
Malayalam	5958
Maltese	5966
Maori	5955
Marathi	5964
Moldavian	5961
Mongolian	5960
Nauru	6047
Nepali	6051
Norwegian [NOR]	6061
O-R	
Occitan	6149
Oriya	6164
Oromo(Afan)	6159
Panjabi	6247
Pashto;Pushto	6265
Persian	5247
Polish [POL]	6258
Portuguese [POR]	6266
Quechua	6367
Rhaeto-Romance	6459
Romanian [RUM]	6461
Russian [RUS]	6467
S	
Samoan	6559
Sangho	6553
Sanskrit	6547
Scots Gaelic	5350
Serbian	6564
Serbo-Croatian	6554
Sesotho	6566
Setswana	6660
Shona	6560
Sindhi	6550
Singhalese	6555
Siswat	6565
Slovak	6557
Slovenian	6558
Somali	6561
Spanish [SPA]	5165
Sundanese	6567
Swahili	6569
Swedish [SWE]	6568
T	
Tagalog	6658
Tajik	6653
Tamil	6647
Tatar	6666
Telugu	6651
Thai	6654
Tibetan	4861
Tigrinya	6655
Tonga	6661
Tsonga	6665
Turkish [TUR]	6664
Turkmen	6657
Twi	6669
U-Z	
Ukrainian	6757
Urdu	6764
Uzbek	6772
Vietnamese	6855
Volapuk	6861
Welsh	4971
Wolof	6961
Xhosa	7054
Yiddish	5655
Yoruba	7161
Zulu	7267

If you choose a language that has a 3 letter language code, the code will be displayed every time you change the AUDIO or SUBTITLE language setting. If you choose any other languages, '---' will be displayed instead. (3 letter language code is written in bracket.)

SPECIFICATIONS

GENERAL SPECIFICATIONS

TV/VCR

CRT:	20 inch in-line gun, 90˚ deflection tube
Television system:	NTSC-M
Closed caption system:	§15.119/FCC
Video Heads:	Rotary four-head
Tape width:	1/2 inch
Tape speed	
SP:	33.40 mm/sec.
LP:	16.67 mm/sec.
SLP:	11.12 mm/sec.
Tuner channel	
TV VHF Low:	#2~#6
TV VHF High:	#7~#13
TV UHF:	#14~#69
CATV	
VHF:	5A
MID band:	A5~A1, A~I
SUPER band:	J~W
HYPER band:	W+1~W+84

DVD

Product type:	DVD Player
Discs:	DVD video, Audio CD
Output signal format:	NTSC color

ELECTRICAL SPECIFICATIONS

Sound output:	2 speakers, 1W, 8 ohm

OTHER SPECIFICATIONS

Terminals	
Antenna input:	VHF/UHF/CATV 75 ohm unbalanced (F-type)
Video input:	RCA connector × 1
Audio L/R input:	RCA connector × 2
Headphone:	1/8" stereo (3.5 mm)
Coaxial digital audio output:	One pin jack, 500 m Vpp (75 ohm)
Remote control:	Digital encoded infrared light system
Operating temperature:	5°C to 40°C (41°F~104°F)
Power requirements:	AC 120 V, 60 Hz
Power consumption (Maximum):	90 W
Picture tube:	20"
Dimensions:	H: 20-3/16" (513 mm) W: 22-1/8" (562 mm) D: 19-7/8" (505 mm)
Weight:	51.1 lbs. (23.2 kg)

• Designs and specifications are subject to change without notice.

• If there is a discrepancy between languages, the default language will be English.

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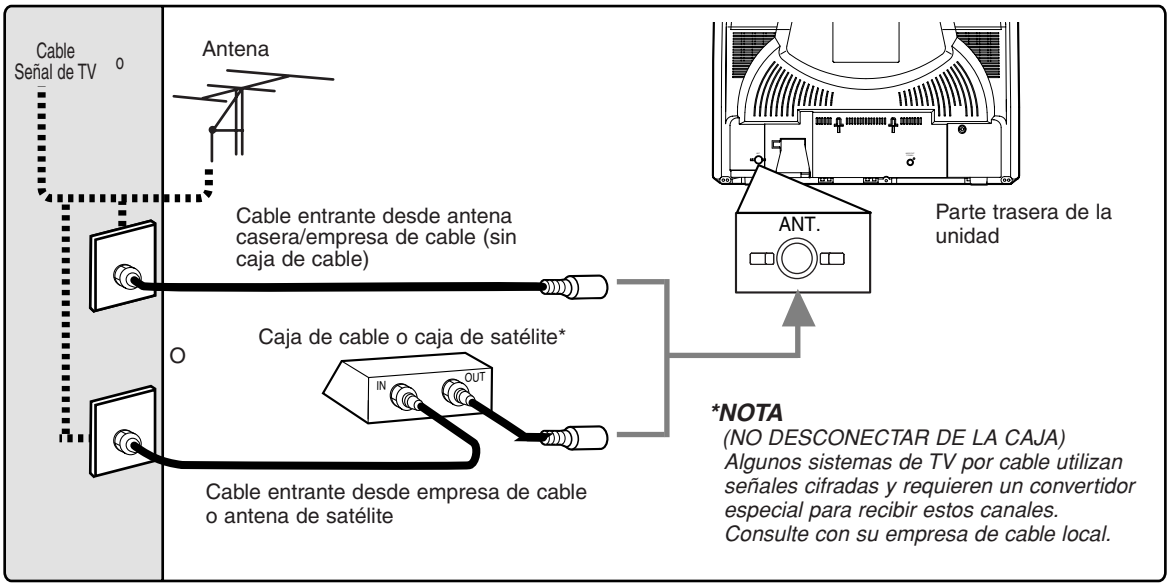
SECCIÓN DVD

REPRODUCCIÓN BÁSICA 43
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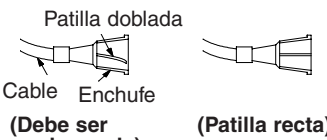
PREPARATIVOS PARA EL USO

CONEXIONES DE ANTENA/CABLE

Enchufe el cable entrante en la toma ANT., en la parte trasera de la unidad.
Si su servicio de cable le suministra una caja convertidora o si usted utiliza un sistema de satélite, conecte la caja con esta unidad, como se indica a continuación.



NOTA:
Antes de enchufar la antena en la toma ANT. de la unidad, compruebe que la patilla no está doblada. Si está doblada, enderece la patilla como se indica en la ilustración y enchufe la patilla a la toma ANT. de la unidad.

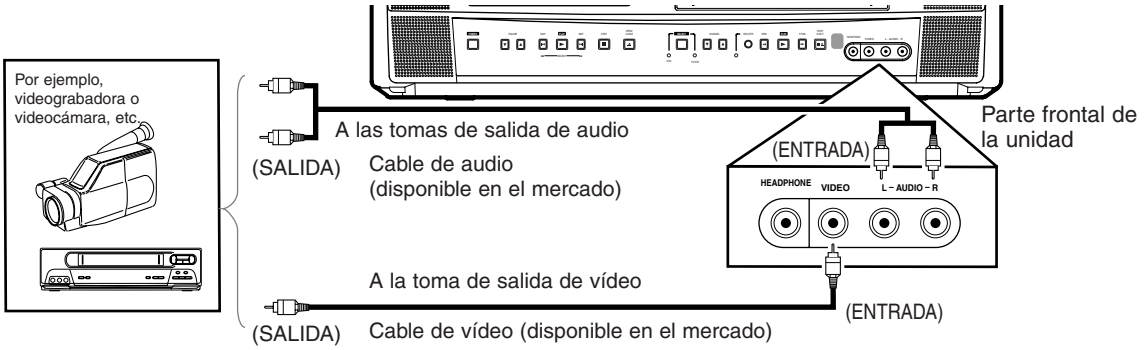


Para su seguridad y para evitar daños en la unidad, desenchufe el cable de la antena de la toma ANT. antes de mover la unidad.

CONEXIÓN A UN DISPOSITIVO EXTERNO (FRONTAL)

Cuando vea un programa grabado en otra fuente (videograbadora o videocámara), utilice las tomas de entrada AUDIO/VIDEO en la parte frontal de la unidad.
Conecte las tomas de salida de Audio/Vídeo de otra fuente a las tomas AUDIO L/R y VIDEO de esta unidad.
A continuación, utilice [SELECT] o [CH. ▲ / ▼] hasta que aparezca "AUX" en la pantalla.



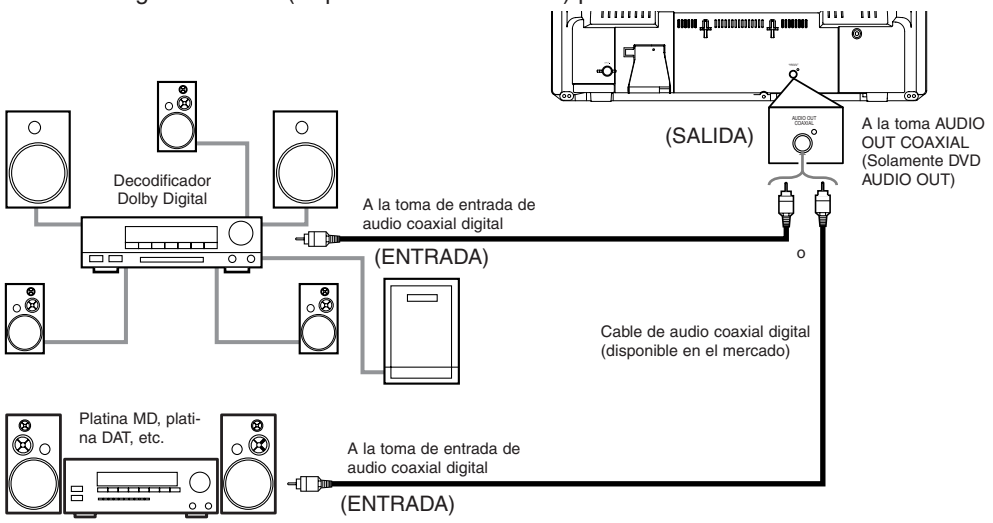


NOTA:

Cuando conecte una videograbadora monoaural (otra fuente) a esta unidad, conecte la toma de salida de audio de la videograbadora monoaural (otra fuente) a la toma AUDIO L de esta unidad. El sonido saldrá igualmente por ambos canales L y R (izquierdo y derecho).

CONEXIÓN A UN DISPOSITIVO DE AUDIO DIGITAL (TRASERA)

Puede conectar esta unidad a un dispositivo de audio digital para disfrutar del sonido digital de DVD. Conecte a un amplificador equipado con tomas de entrada digital, tales como una platina MD o DAT. Para reproducir un disco DVD en un formato ambiental multicanal Dolby Digital en esta unidad, conéctela a un decodificador Dolby Digital.
Utilice un cable coaxial digital de audio (disponible en el mercado) para las conexiones de audio.



NOTAS:

- *La fuente de audio de un disco en formato ambiental multicanal Dolby Digital no puede ser grabado como sonido digital por una platina MD o DAT.*
- *Asegúrese de apagar todos los dispositivos del sistema antes de conectar otro dispositivo.*
- *Consulte los manuales del usuario de los dispositivos que van a conectarse a la unidad.*
- *Para conectar a una platina MD o DAT, ajuste "DOLBY DIGITAL" en "PCM" para la salida de audio en el modo de ajuste, y para conectar a un decodificador Dolby Digital, ajuste en "BITSTREAM" (consulte "AUDIO SETTING en página 30). Utilizar una unidad con unos ajustes incorrectos puede generar distorsión de ruido y puede asimismo dañar los altavoces.*

FUNCIONAMIENTO Y AJUSTES DEL TELEVISOR

PARA VER UN PROGRAMA DE TELEVISIÓN

1 Después de finalizar la conexión de la antena o del cable, conecte el cable de alimentación a una toma estándar de CA.



2 Presione **[POWER]** para encender la unidad.

3 Utilice **[CH. ▲ / ▼]** o **los botones numéricos** para seleccionar el número de canal deseado.

Para utilizar los botones numéricos

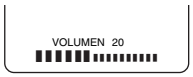
•Canales de un dígito: (Ej.: 02, 03, 04, etc.)
Presione primero **[0]** *para seleccionar un canal de un dígito.*

•Canales de dos dígitos: (Ej.: 12, 38, 95 ...)
Presione dos dígitos directamente.

•Canales de tres dígitos: (Ej. 115, 125 ...)
Presione primero **[+100]***, y luego presione los últimos dos dígitos.*

4 Utilice **[VOL. △ / ▽]** para ajustar el volumen.

Presione **[MUTE]** para silenciar al instante el sonido. Presione de nuevo para restaurar el nivel de sonido anterior.



NOTA:

• Incluso aunque apague la unidad en el modo DVD, la unidad estará en el modo TV/VCR cuando vuelva a encenderse.

PARA VER UN CANAL DE CABLE O SATÉLITE

Si la unidad está conectada a una caja de cable o de satélite, utilice **[CH. ▲ / ▼]** para seleccionar CA3 o CA4 según el ajuste de canal de salida del dispositivo y seleccionar el canal deseado en dicho dispositivo.

PARA VER UNA ENTRADA EXTERNA

Cuando un equipo externo esté conectado a las tomas de entrada frontales AUDIO/VIDEO, presione **[SELECT]** o **[CH. ▲ / ▼]** repetidamente hasta que aparezca "AUX" en la pantalla.



NOTA:

• Si no hay entrada de señal del terminal de antena ni se hace funcionar durante 15 minutos, el TV se apagará automáticamente.

AJUSTE DEL RELOJ

Ajuste correctamente el reloj de la unidad para grabación con temporizador para videograbadora. Se sugiere ajustar el reloj manualmente cuando se configure por primera vez la unidad, y luego fijar el ajuste automático del reloj en "ON" para corregir la hora periódicamente.

NOTA:

• Si no pude recibir una emisora con las señales horarias, el ajuste automático del reloj no estará disponible. Utilice únicamente el ajuste manual.

AJUSTE MANUAL DEL RELOJ

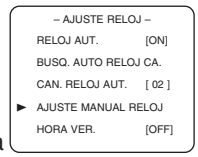
En el siguiente ejemplo, el reloj está ajustado en:

FECHA: 5 de mayo de 2006
HORA DE AJUSTE: 5:40PM

1 Presione **[SET-UP]**. Utilice **[▲ / ▼]** para ir hasta "AJUSTE RELOJ", y presione **[ENTER]**.



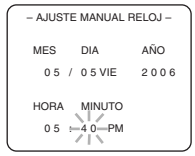
2 Utilice **[▲ / ▼]** para ir hasta "AJUSTE MANUAL RELOJ", y presione **[ENTER]**.



• Si no hay ninguna emisora local PBS en su zona o en su sistema de cable, seleccione "RELOJ AUT." y presione **[ENTER]** para desactivar la función antes de este paso.

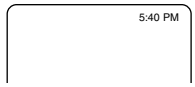
3 Utilice **[▲ / ▼]** para ajustar los datos deseados de mes, día, año, hora y minuto.

Utilice **[◄ / ►]** para pasar a otro elemento.



4 Presione **[SET-UP]**.

Aunque los segundos no se muestran, se comienzan a contar desde 00 cuando se presiona **[SET-UP]**. Utilice esta función para sincronizar el reloj con la hora correcta.



NOTA:

• Cuando desenchufe el cable de CA o si hay un corte del suministro eléctrico durante más de 3 segundos, es posible que tenga que reajustar el reloj.

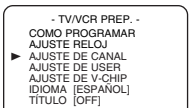
AJUSTE DE CANAL

TV/VCR

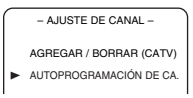
Es necesario preseleccionar el canal al principio o en caso de haber movido el televisor a una zona distinta.

AUTOPROGRAMACIÓN DEL CANAL

1 Presione **[SET-UP]**.
Utilice **[▲ / ▼]** para ir hasta "AJUSTE DE CANAL", y presione **[ENTER]**.



2 Utilice **[▲/ ▼]** para ir hasta "AUTOPROGRAMACIÓN DE CA.", y presione **[ENTER]**.
El sintonizador explora y memoriza todos los canales activos de su zona.

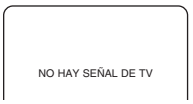


3 Cuando la exploración ha finalizado, se muestra el canal memorizado más bajo.



<EJEMPLO>

Si en la pantalla del televisor aparece "NO HAY SEÑAL DE TV", compruebe la conexión de la antena y vuelva a intentar.



NOTAS:

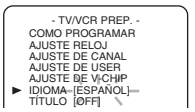
- *La unidad puede reconocer canales de CATV como canales de TV si el estado de la recepción es deficiente. En tal caso, compruebe la conexión de la antena y vuelva a intentar "AUTOPROGRAMACIÓN DE CA.".*
- ***La autoprogramación del canal NO es necesaria cuando está conectado a una caja de cable o de satélite. Simplemente seleccione el canal para entrada de caja de cable o de satélite (ej. CA 3 o CA 4) en la unidad, y seleccione el canal deseado en la caja de cable o de satélite.***

IDIOMA DE MENÚ DE PANTALLA

TV/VCR

Puede seleccionar el idioma del menú de pantalla entre inglés, español y francés.

1 Presione **[SET-UP]**.
Utilice **[▲ / ▼]** para ir hasta "IDIOMA".



2 Presione **[ENTER]** repetidamente para seleccionar "ENGLISH", "ESPAÑOL" o "FRANÇAIS".

3 Presione **[SET-UP]** para salir del menú.

NOTAS:

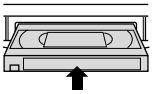
- *Esta función afecta solamente al idioma del menú de pantalla y no a la fuente de sonido.*
- *Si por alguna razón el menú ya está en inglés o en francés, presione* **[SET-UP]** *y mediante* **[▲ / ▼]** *vaya a "LANGUAGE [ENGLISH]" o "LANGAGE [FRANÇAIS]", y presione* **[ENTER]** *repetidamente para seleccionar el idioma deseado, y presione* **[SET-UP]**.

REPRODUCCIÓN

REPRODUCCIÓN BÁSICA

1 Inserte una cinta pregrabada para encender la unidad automáticamente (Auto Power On/Actividad automática).

TV/VCR



2 Seleccione el modo TV/VCR presionando **[SELECT]**.

NOTA:

• Si se ha quitado la lengüeta de protección contra borrado, la unidad cambiará en el modo VCR y empezará la reproducción automáticamente.

3 Para iniciar la reproducción, presione **[PLAY ▶]**.

REPRODUCIR ▶

NOTA:

• Incluso en el modo DVD, puede iniciar la reproducción en videograbadora si presiona **[PLAY ▶]** *en el panel frontal (del lateral de TV/VCR).*

4 Para interrumpir la reproducción, presione **[STOP ■]**.

PARAR

5 Para rebobinar la cinta, presione **[REV◀◀]**.
Para hacer avanzar la cinta, presione **[FWD▶▶]**.
Para interrumpir el movimiento de la cinta, presione **[STOP ■]**.

REBOBINAR ◀◀

AV RAPIDO ▶▶

6 Para expulsar la cinta de la unidad, presione **[STOP/EJECT ■/⏏]** en el panel frontal.

EXPULSAR ⏏



AJUSTE DE SEGUIMIENTO

- El ajuste de seguimiento se establecerá automáticamente al iniciar la reproducción (función de seguimiento digital).
- Si aparecen líneas de ruido (rayas negras y blancas) en la imagen de reproducción, utilice **[CH. ▲ / ▼]** hasta que las rayas desaparezcan (ajuste de seguimiento manual). Esto también está disponible en el modo Pausa/Imagen fija/Cámara lenta.
- Para desactivar el modo de seguimiento manual, pare la cinta una vez e inicie de nuevo la reproducción.

IMAGEN FIJA

- Durante la reproducción, presione **[PAUSE ❚❚]** para congelar la imagen.
 Puede avanzar la imagen fotograma a fotograma presionando repetidamente **[PAUSE ❚❚]**.
- Para desactivar el modo de imagen fija, presione **[PLAY ▶]**.

CÁMARA LENTA

- Durante la reproducción, presione **[PAUSE ❚❚]** y, a continuación presione **[FWD▶▶]**.
- Para desactivar el modo de cámara lenta, presione **[PLAY ▶]**.

NOTA:

• Si la unidad se mantiene en el modo cámara lenta o imagen fija durante más de 5 minutos, entrará automáticamente en el modo de parada.

GRABACIÓN

NOTAS:

• Inserte una cinta de casete con la lengüeta de protección contra borrado sin quitar.
• Esta unidad no puede grabar el contenido del DVD incorporado.
• SOLAMENTE podrá ver el mismo programa de televisión que se esté grabando.

GRABACIÓN NORMAL

1 Utilice **[CH. ▲ / ▼]** o **los botones numéricos** para seleccionar el canal donde se va a grabar.

TV/VCR

CA 10

NOTA:

• Si la unidad está conectada a una caja de cable o de satélite, deberá estar en CA3 o CA4. Seleccione en la caja de cable o de satélite el canal donde se va a grabar.

2 Presione **[SPEED]** para seleccionar la velocidad de cinta deseada (SP/SLP). (Consulte "SELECTING TAPE SPEEDS" en página 15.)

SP

3 Presione **[REC]** para iniciar la grabación.

GRABAR

SP

4 Presione **[PAUSE ❚❚]** para interrumpir temporalmente la grabación de escenas no deseadas.
Presione **[PAUSE ❚❚]** de nuevo o **[REC]** para reanudar la grabación.

PAUSA

SP

NOTA:

• Si la grabación se mantiene en pausa durante más de 5 minutos, la unidad pasará automáticamente al modo de grabación para que la cinta no sufra daños.

5 Presione **[STOP ■]** para interrumpir la grabación.

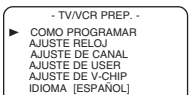
GRABACIÓN CON TEMPORIZADOR AUTOMÁTICO

Puede ajustar ocho programas para grabar en TV/VCR días concretos, diariamente o semanalmente, dentro de un periodo de un año.

En el siguiente ejemplo, el temporizador está ajustado para grabar:

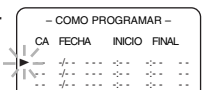
FECHA:	3 de julio de 2006
HORA DE AJUSTE:	de7:30PM a 8:50PM
CANAL:	CA61
VELOCIDAD DE CINTA:	SP

1 Presione **[SET-UP]**.
Utilice **[▲ / ▼]** para seleccionar "CÓMO PROGRAMAR", y presione **[ENTER]**.

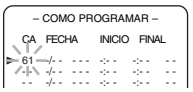


NOTA:
• Si todavía no ha ajustado el reloj, aparece el menú "AJUSTE MANUAL RELOJ". Ajuste la hora y la fecha actuales (consulte "AJUSTE MANUAL DEL RELOJ" en página 39) e inicie el ajuste de la grabación con temporizador.

2 Utilice **[▲ / ▼]** para seleccionar la posición del programa deseado y presione **[►]**.



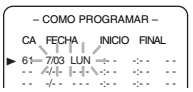
3 Utilice **[▲ / ▼]** hasta que aparezca el número del canal deseado y presione **[►]**.



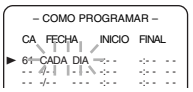
NOTA:
• Si la unidad está conectada a una caja de cable o de satélite, deberá estar en CA3 o CA4. Seleccione en la caja de cable o de satélite el canal donde se va a grabar.

4 Ajuste la fecha de inicio.

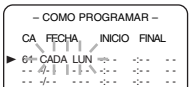
Para una única grabación :
Presione **[▲]** hasta que aparezca la fecha deseada. A continuación, presione **[►]**.



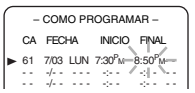
Para una grabación cada día :
Para grabar el mismo canal a la misma hora cada día.
Presione **[▼]** hasta que aparezca "CADA DIA", y presione **[►]**.



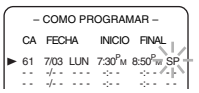
Para una grabación semanal :
Para grabar el mismo canal a la misma hora cada semana.
Presione **[▼]** hasta que aparezca "CADA" y su día deseado de la semana (por ejemplo, "Cada lunes"), y presione **[►]**.



5 Utilice **[▲ / ▼]** para ajustar la hora y el minuto de inicio/fin deseados. Presione **[►]** para pasar al siguiente elemento.



6 Utilice **[▲ / ▼]** hasta que aparezca la velocidad de cinta deseada.
(Consulte "SELECTING TAPE SPEEDS" en página 15.)



7 Presione **[ENTER]** para finalizar el ajuste.

- **Para ajustar otro programa, repita los pasos 2 a 7.**
- Para corregir el programa durante el ajuste, presione **[◄]** para retroceder un paso y utilice **[▲ / ▼]** para introducir los números correctos.
- Presione **[SET-UP]** para salir del menú.

8 Presione **[POWER]** para ajustar la grabación con temporizador automático.
El indicador de grabación se enciende.

NOTAS:
- ***DEBE apagar la unidad para activar la grabación con temporizador automático.***
- *Si no se apaga la unidad y sigue usted viendo la televisión, "PRG. ESTAR LISTO" empieza a parpadear en la pantalla del televisor 2 minutos antes de la hora de inicio programada.*



- *Asegúrese de insertar una cinta con lengüeta de protección contra borrado antes de apagar la unidad. Si la cinta no tiene la lengüeta, será expulsada cuando se presione* **[POWER]** *para apagar.*

9 En la hora de inicio programada, la unidad empieza a grabar.

NOTAS:
- *La grabación comienza sin encenderse la pantalla del televisor.*
- ***Durante la grabación, puede ver solamente el programa de televisión que se esté grabando actualmente o una reproducción de DVD.*** *Presione* **[POWER]** *y* **[SELECT]** *para seleccionar el modo deseado.*
- *Si la cinta se acaba antes de la hora de finalización, la grabación se interrumpe inmediatamente y la cinta es expulsada.*

PARA CONFIRMAR EL PROGRAMA

1 Presione **[POWER]** para encender la unidad. (El indicador de grabación se apaga.)

2 Presione **[SET-UP]**.
Utilice **[▲ / ▼]** para seleccionar "CÓMO PROGRAMAR", y presione **[ENTER]**.

3 Confirme los detalles de los programas que aparecen en la pantalla del televisor.

4 Presione **[SET-UP]** para salir del menú.

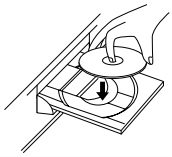
SECCIÓN DVD

REPRODUCCIÓN BÁSICA

1 Presione **[POWER]** para encender la unidad. DVD-V CD

2 Presione **[OPEN/CLOSE ⏏]** en la unidad.

3 Coloque el disco en la bandeja, con la etiqueta hacia arriba.



4 Presione **[PLAY ▶]**.

- La bandeja se cerrará automáticamente y se empezará la reproducción. Cuando reproduzca un DVD que incluya un menú de títulos, este menú puede aparecer en pantalla.

NOTAS:

- *Cerrar la bandeja del disco manualmente o presionando* **[OPEN/CLOSE ⏏]** *también inicia la reproducción.*
- *Con discos DVD que utilicen títulos para señales de programa de reproducción, la reproducción puede comenzar desde el segundo título o puede omitir dichos títulos.*

5 Para congelar la imagen, presione **[PAUSE ❚❚]** durante la reproducción.

NOTA:

- *El sonido se silenciará en modo de pausa.*

6 Presione **[STOP ■]** para interrumpir temporalmente la reproducción.



- Presione **[PLAY ▶]** para reanudar la reproducción.
- Para cancelar la reanudación y parar el disco, presione **[STOP ■]** de nuevo.

NOTAS:

- *La información de reanudación se conserva aunque se apague la unidad.*
- *Puede aparecer un "icono prohibido" en la zona superior derecha de la pantalla del televisor durante la operación. Esto significa que la operación no está disponible en el disco.*



REPRODUCCIÓN PASO A PASO

- Durante la reproducción, presione **[PAUSE ❚❚]**. DVD-V
 Puede avanzar la imagen fotograma a fotograma presionando repetidamente **[PAUSE ❚❚]**.
- Para volver a la reproducción normal, presione **[PLAY ▶]**.

AVANCE RÁPIDO / RETROCESO RÁPIDO

- Durante la reproducción, mantenga presionado **[FWD ▶▶]** para avance rápido o **[REV ◀◀]** para retroceso rápido. DVD-V CD
- Cada vez que mantenga presionado el botón, la reproducción se acelera y el nivel de velocidad aparece en la pantalla.



NOTAS:

- *En los discos DVD, la velocidad de avance/retroceso rápido es diferente según el disco. La velocidad aproximada es 1 (×2), 2 (×8), 3 (×20), 4 (×50) y 5 (×100).*
- *En discos de CD de audio la velocidad aproximada es 1 (×2), 2 (×8) y 3 (×30).*
- *Cuando utilice los botones del panel frontal, utilice* **[SEARCH ◀◀ / ▶▶]**.

- Para volver a la reproducción normal, presione **[PLAY ▶]**.

AVANCE LENTO / RETROCESO LENTO

- Durante la reproducción, presione **[PAUSE ❚❚]**. DVD-V
- Mantenga presionado **[FWD ▶▶]** para avance lento o **[REV ◀◀]** para retroceso lento.
- Cada vez que mantenga presionado el botón, la reproducción se ralentiza y el nivel de velocidad aparece en la pantalla.



NOTAS:

- *La velocidad de avance/retroceso lento varía según el disco. La velocidad aproximada es 1 (1/16), 2 (1/8) y 3 (1/2).*
- *Cuando utilice los botones de la unidad principal, utilice* **[SEARCH ◀◀ / ▶▶]**.

- Para volver a la reproducción normal, presione **[PLAY ▶]**.

MENÚ DE DISCO/MENÚ DE TÍTULO

Un DVD puede contener menús para explorar el disco y acceder a funciones especiales. DVD-V

1 Presione **[DISC MENU]** o **[TITLE]**.

- Aparecerá el menú principal/menú de título del DVD.
- Puede activar el menú incluso durante la reproducción.

2 Utilice **[▲ / ▼ / ◀ / ▶]** para seleccionar un elemento y presione **[ENTER]**.

NOTAS:

- *SI el disco tiene un menú de disco, aparecerán distintas opciones de selección: idioma de sonido, subtítulos, capítulos del título y otras.*
- *El contenido del menú y las correspondientes operaciones de menú pueden variar según los discos. Para más detalles, consulte el manual que acompaña el disco.*

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